



BOARD FIXING GUIDE

VERSION 5.0

A guide to assist customers in finding fixing solutions for fixing partitioning, sheathing and render carrying boards to steel and timber substrates in internal and external applications.

evolution



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THIS GUIDE IS INTENDED TO ASSIST CUSTOMERS IN FINDING FIXING SOLUTIONS FOR FIXING PARTITIONING, SHEATHING AND RENDER CARRYING BOARDSTO STEEL AND TIMBER SUBSTRATES IN INTERNAL AND EXTERNAL APPLICATIONS.

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technical@evofas.com

OR CALL

+44 (0) 141 647 7100

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STANDARD PLASTERBOARD

INTERNAL APPLICATION

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British Gypsum® is a subsidiary of Saint-Gobain S.A. and specialises in the manufacture of various products used in interior partitioning systems, inter alia.

Gyproc® is a brand name of British Gypsum®. The British Gypsum® White Book® and Site Book® are good learning tools for anyone using British Gypsum® products.

More information on British Gypsum® products is available from their website, www.british-gypsum.com.

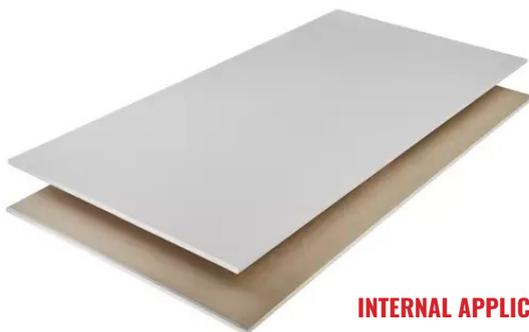
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or by telephone call to **+44 (0) 141 647 7100**.



INTERNAL APPLICATION

Gyproc® HandiBoard®

A range of standard plasterboards in smaller board sizes for easier handling over full-size boards. The intent is to allow easier fixing to 16" (approx. 406mm) and 24" (approx. 610mm) joist centres

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50
		DWSC32 PAGE 53
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50
		DWSC38 PAGE 53



INTERNAL APPLICATION

Gyproc® Plank®

A range of thick standard plasterboards intended to give an increased acoustic performance over that of normal thickness standard plasterboards.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ C16
19.0	DWSZ25 PAGE 48	DWSDZ25 PAGE 50
		DWSC32 PAGE 53

STANDARD PLASTERBOARD

Gyproc® WallBoard®

A range of standard plasterboards intended to be a cost-effective solution for most interior drylining applications



INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC38 PAGE 53
15.0	DWSZ38 PAGE 48	DWSDZ38 PAGE 50	DWSC42 PAGE 53

Gyproc® WallBoard 4TE®

A range of standard plasterboards with four tapered edges intended for use in public spaces where surfaces are subject to strong, direct lighting.

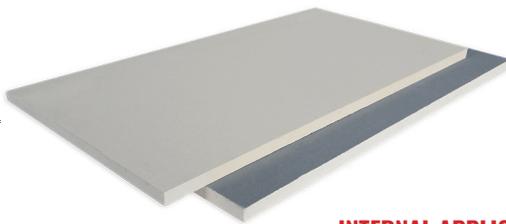


INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC38 PAGE 53

Gyproc® WallBoard Duplex®

A range of standard plasterboards with integral vapour control membrane for use where vapour control and a plasterboard lining are both necessary.



INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	WHX42 PAGE 54	BMDW4842 PAGE 55	None
15.0	WHX42 PAGE 54	BMDW4842 PAGE 55	None

Gyproc® WallBoard Ten®

A range of standard plasterboards designed to meet the guidance stated in the Building Regulations Approved Document E (specifically that plasterboards have a minimum mass of 10kg/m²).



INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC38 PAGE 53



Knauf Gips KG® is a family-owned business based in Germany and specialises in the manufacture of various products used in interior partitioning systems, inter alia.

More information on Knauf® products is available from their website, www.knauf.co.uk.

They can also be contacted by telephone call to +44 (0) 800 030 4135.

Knauf® offers a selection of standard plasterboards, which includes (but is not limited to):

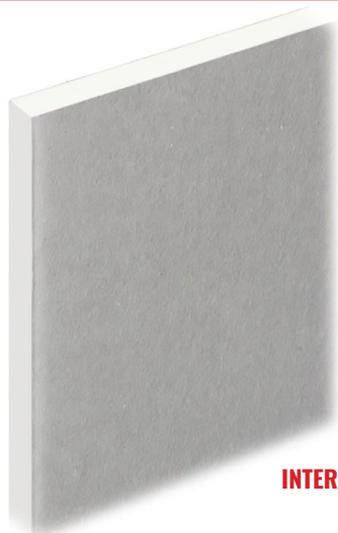
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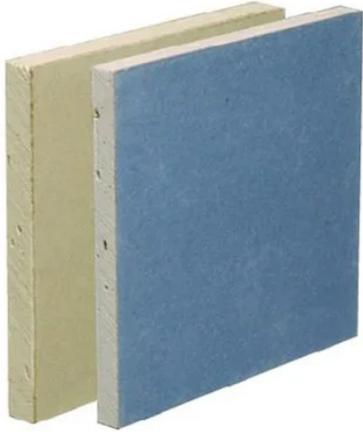
INTERNAL APPLICATION



INTERNAL APPLICATION

Wallboard®			
A range of standard plasterboards with an ivory paper face for use in the majority of internal partitions and dry lining applications.			
THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC38 PAGE 53
15.0	DWSZ38 PAGE 48	DWSDZ38 PAGE 50	DWSC42 PAGE 53

Baseboard®			
A range of standard plasterboards with an ivory paper face that comes in smaller sizes than full-size boards for use on ceilings where a plaster finish is required.			
THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53



Plank®

A range of standard plasterboards with an ivory paper face that is a key component in many partition and floor systems where it acts as an acoustic mass layer.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
19.0	DWSZ38 PAGE 48	DWSDZ38 PAGE 50	DWSC50 PAGE 53



Vapour Panel®

A range of standard plasterboards that feature a metallised polyester foil laminate on the grey paper face to create an effective vapour barrier.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53
12.5	WHX42 PAGE 54	BMDW4842 PAGE 55	None
15.0	WHX42 PAGE 54	BMDW4842 PAGE 55	None



Siniat® is a subsidiary of ETEX Group S.A. and specialises in the manufacture of various products used in interior partitioning systems, inter alia. GTEC® is a brand name of Siniat®.

More information on Siniat® products is available from their website, www.siniat.co.uk.

They can also be contacted by telephone call to +44 (0) 127 537 7773

Siniat® offers a selection of standard plasterboards under their GTEC® brand, which includes (but is not limited to):

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INTERNAL APPLICATION

GTEC® Standard Board®

A range of standard plasterboards for most internal partition, lining and ceiling applications.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53
12.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC38 PAGE 53
15.0	DWSZ38 PAGE 48	DWSDZ38 PAGE 50	DWSC42 PAGE 53



INTERNAL APPLICATION

GTEC® Base Board®

A range of lightweight standard plasterboards intended to be used as a base for skim finishes.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
9.5	DWSZ25 PAGE 48	DWSDZ25 PAGE 50	DWSC32 PAGE 53



INTERNAL APPLICATION

GTEC® Vapour Board®

A range of standard plasterboards with an additional laminated vapour control layer.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
9.5	WHX42 PAGE 54	BMDW4842 PAGE 55	None
12.5	WHX42 PAGE 54	BMDW4842 PAGE 55	None
15.0	WHX42 PAGE 54	BMDW4842 PAGE 55	None



INTERNAL APPLICATION

GTEC® Contour Board®

A range of standard plasterboards designed to be flexible and used in the construction of curved partitions.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
6.0	WHX42 PAGE 54	DWSDZ25 PAGE 50	DWSC32 PAGE 53



INTERNAL APPLICATION

GTEC® Plank®

A range of standard plasterboards intended to act as an acoustic mass.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
6.0	WHX42 PAGE 54	DWSDZ38 PAGE 50	DWSC50 PAGE 53

PERFORMANCE PLASTERBOARD

INTERNAL/EXTERNAL APPLICATION

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INTERNAL APPLICATION

EXTERNAL APPLICATION

Gyproc® Glasroc X®

A sheathing board designed to provide temporary weather protection for structural steel frame (SFS) constructions where the façade/ cladding system is connected back to the SFS.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
12.5	WHX32 PAGE 54	WHX32 PAGE 54
		WHX42 PAGE 54
12.5	WHX32 PAGE 54	WHX32 PAGE 54
		WHX42 PAGE 54



INTERNAL APPLICATION

EXTERNAL APPLICATION

Gyproc® Habito®

A high strength plasterboard for fixing heavy items to, such as radiators, shelves, TVs, etc.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
12.5	WHX32 PAGE 54	WHX32 PAGE 54
		WHX42 PAGE 54
12.5	WHX32 PAGE 54	WHX32 PAGE 54
		WHX42 PAGE 54



Glasroc® F®

Including all derivatives of this board family (FireCase and MultiBoard), this is a class A1 non-combustible glass fibre reinforced gypsum board for fire case scenarios.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16	
6.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57	
10.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57	
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57	
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57	
20.0	EVUCD35 PAGE 57	DWSDZ32 PAGE 50	EVUCD45 PAGE 57	
25.0	EVUCD35 PAGE 57	DWSDZ38 PAGE 50	EVUCD45 PAGE 57	
30.0	EVUCD45 PAGE 57	DWSDZ45 PAGE 50	WHX60 PAGE 54	

EXTERNAL APPLICATION

6.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54	
10.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54	
12.5	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54	
15.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54	
20.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54	
25.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX60 PAGE 54	
30.0	WHX42 PAGE 54	WHX42 PAGE 54	WHX60 PAGE 54	



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or by telephone call to **+44 (0) 141 647 7100**.



INTERNAL APPLICATION ONLY

Gyproc® Glasroc H®

A TileBacker® board designed for frequent exposure to moisture and as a base for the adhesion of tiling.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
6.0	WHX42 PAGE 54	BMDW4842 PAGE 55
12.5	WHX42 PAGE 54	WHX42 PAGE 54
15.0	WHX42 PAGE 54	WHX42 PAGE 54



INTERNAL APPLICATION ONLY

Gyproc® DuraLine®

Including all derivatives of this board family (standard and MR) is a moisture resistant core board for enhanced sound insulation and impact resistance.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50
		EVUCD35 PAGE 57



INTERNAL APPLICATION ONLY

Gyproc® FireLine®

Including all derivatives of this board family (standard, Duplex, MR and CoreBoard) is a fire-resistant glass fibre reinforced gypsum board for general use in partitions and ceilings.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50
		EVUCD45 PAGE 57



INTERNAL APPLICATION ONLY

Gyproc® SoundBloc®

Including all derivatives of this board family (standard, F, MR, Rapid and Rapid MR) is a high-density sound resistant gypsum plasterboard.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50
		EVUCD45 PAGE 29



Georgia-Pacific

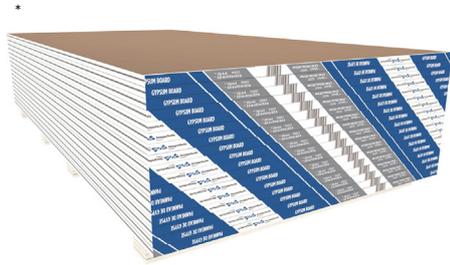
Georgia-Pacific® LLC is a subsidiary of Koch Industries Inc. and specialises in the manufacture of various products used in interior partitioning systems, inter alia.

More information on Georgia-Pacific® products is available from their website, www.gp.com.

They can also be contacted by telephone call to +00 (1) 800 225 6119.

Georgia-Pacific® offers a selection of performance plasterboards, which includes (but is not limited to):

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INTERNAL APPLICATION

EXTERNAL APPLICATION

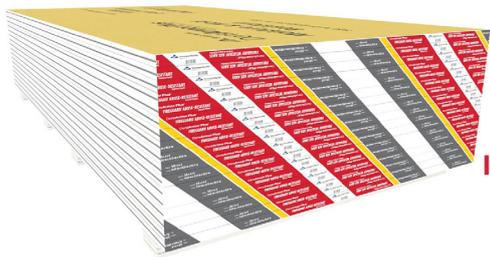
THICKNESS (mm)	ToughRock®		
	Including all derivatives of this board family (standard, FireGuard 45®, FireGuard X® and FireGuard C®) is a fire-resistant		
	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	
	≥ C16		
12.7	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.9	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57
12.7	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55
15.9	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55



INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	DensShield®		
	Is a tough plasterboard designed for use as a tile backing board.		
	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	
	≥ C16		
6.4	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
12.7	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.9	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
6.4	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55
12.7	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55
15.9	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55



INTERNAL APPLICATION

INTERNAL APPLICATION

DensArmor® including all derivatives of this board family (standard, FireGuard and Plus) is a moisture-resistant and toughened plasterboard for demanding internal drylining applications.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.7	WHX42 PAGE 54	BMDW4842 PAGE 55	WHX42 PAGE 54
15.9	WHX42 PAGE 54	BMDW4842 PAGE 55	WHX42 PAGE 54
12.7	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55
15.9	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55



Klasse® Group Ltd is a family-owned business based in the United Kingdom and supplied a range of building products to the construction industry including board materials, inter alia.

More information can be found on their website, www.klassegroup.co.uk.

They can also be contacted by telephone on +44 (0) 1432 842 030.

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INTERNAL APPLICATION

EXTERNAL APPLICATION

G-Board® (Outwear) High-performance gypsum sheathing board for external applications.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.2 ≤ 2.5	≥ C16
12.5	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54
12.5	BMDW4832 PAGE 55	BMDW4832 PAGE 55	BMDW4842 PAGE 55



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PERFORMANCE PLASTERBOARD



INTERNAL APPLICATION ONLY

Fire Panel® Is a fire-resistant plasterboard for use as a cladding component in drylining partitions.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57



INTERNAL APPLICATION ONLY

Sound Panel® Is a high-density plasterboard for better acoustic performance over standard plasterboards.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57



INTERNAL APPLICATION ONLY

Moisture Panel® Is a moisture-resistant plasterboard for use in partially humid areas such as kitchens and bathrooms.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54
15.0	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54



INTERNAL APPLICATION ONLY

Impact Panel® Is a heavy-duty plasterboard for use in applications where greater resistance to impacts is required.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57

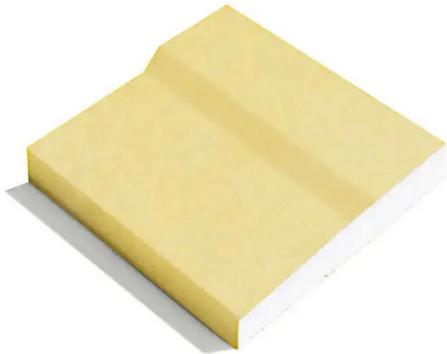


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INTERNAL APPLICATION

GTEC® MultiPurpose®		A range of performance plasterboards (calcium silicate based) intended for versatility in multiple usage scenarios.	
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
6.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
9.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
12.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57



INTERNAL APPLICATION

GTEC® Universal®		A range of performance plasterboards intended to combine impact resistance and acoustic performance.	
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57



INTERNAL APPLICATION

GTEC® Moisture Board®		A range of performance plasterboards intended for use in humid conditions such as in kitchens..	
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54
15.0	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54

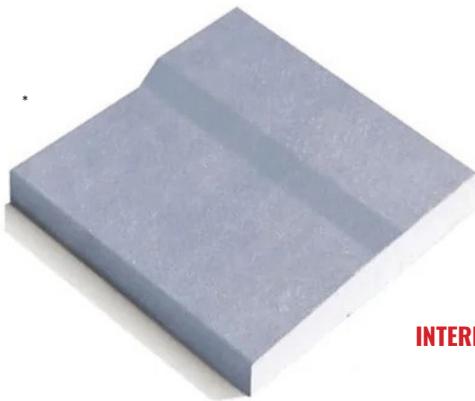


INTERNAL APPLICATION

GTEC® Aqua Board®

A range of performance plasterboards intended for use where water resistance is required such as kitchens and bathrooms.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54
15.0	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54



INTERNAL APPLICATION

GTEC® dB Board®

A range of performance plasterboards intended to provide superior acoustic performance.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57



INTERNAL APPLICATION

GTEC® Fire Board®

Including all derivatives of this board family (standard, Fire MR and Fire V) is a fire-resistant performance plasterboard.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 1.0$	$\geq 1.0 \leq 2.5$	$\geq C16$
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57

FIXING FINDER

**GTEC®
Megadeco®**

A range of pre-sealed performance plasterboards intended to offer combined fire, impact and acoustic performance.

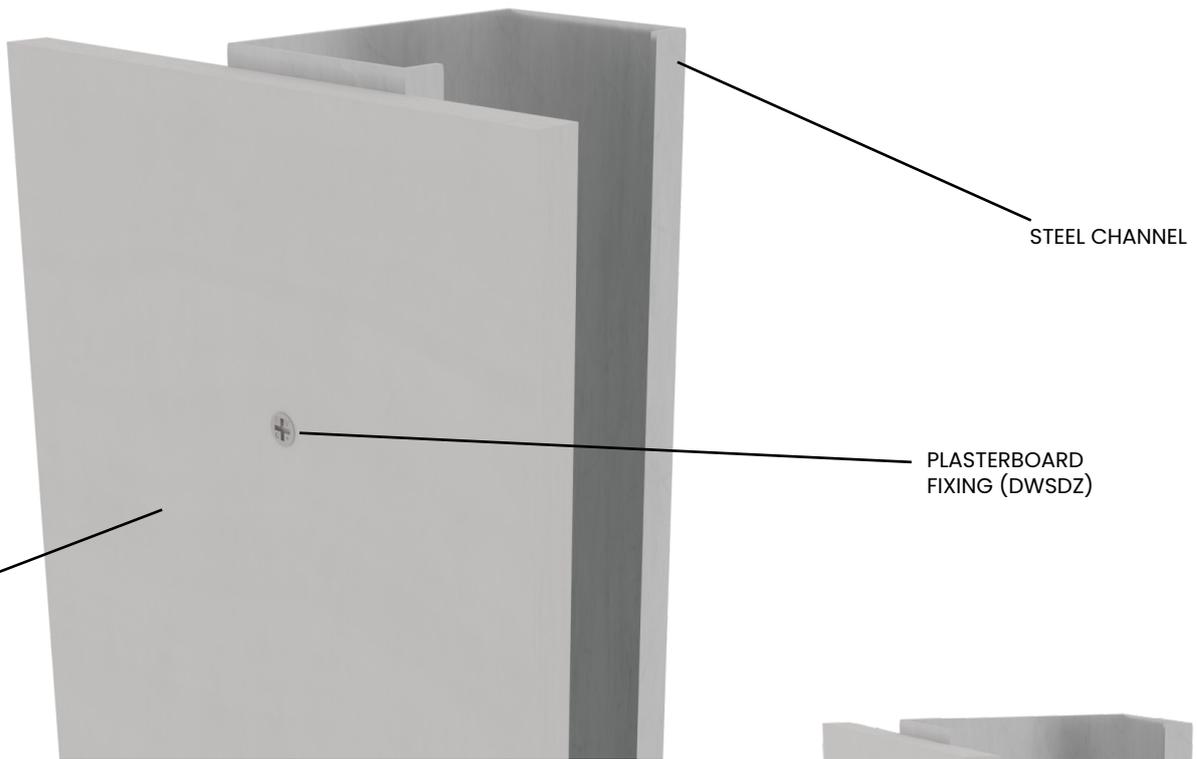


INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
12.5	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
15.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD45 PAGE 57

EXTERNAL APPLICATION

12.5	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55
15.0	BMDW4842 PAGE 55	BMDW4842 PAGE 55	BMDW4842 PAGE 55

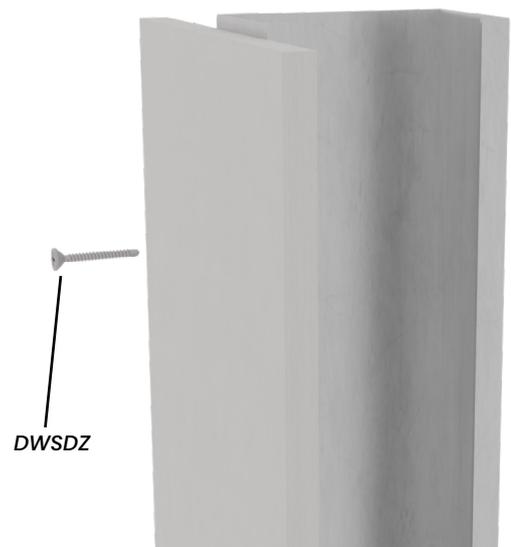


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TORQUE TESTING

FAILURE ANALYSIS
(hydrogen embrittlement, stress corrosion etc)

METALOGRAPHY
(hardness - vickers/knoop/rockwell, Haz etc)

MICROSCOPY (light, metallographic etc)

CORROSION TESTING (neutral salt spray, cyclic corrosion etc)



CALCIUM SILICATE, MAGNESIUM OXIDE AND VERMICULITE BOARDS

INTERNAL/EXTERNAL APPLICATION



Euroform® is a subsidiary of SIG plc and specialises in the manufacture of various products used in interior and exterior systems, inter alia.

More information on Euroform® products is available from their website, www.euroform.co.uk. They can also be contacted by telephone call to +44 (0) 192 586 0999.

Euroform® offers a selection of boards under their various brands, which includes (but is not limited to):

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INTERNAL APPLICATION

EXTERNAL APPLICATION

Rendaboard®

A render carrier board designed for high-impact resistance, acoustic performance and score-and-snap workability. This board is rated A1 non-combustible.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



APPLICATION

Versabacker®

A water resistant, mesh reinforced tile backer board.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54



INTERNAL APPLICATION

Versafire®

A fire and moisture resistance board that also offers excellent impact resistance and acoustic performance.

THICKNESS (mm)	STEEL (mm)				TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 12.0	≥ 12.0 ≤ 18.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-42-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-42-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-65-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54



INTERNAL APPLICATION

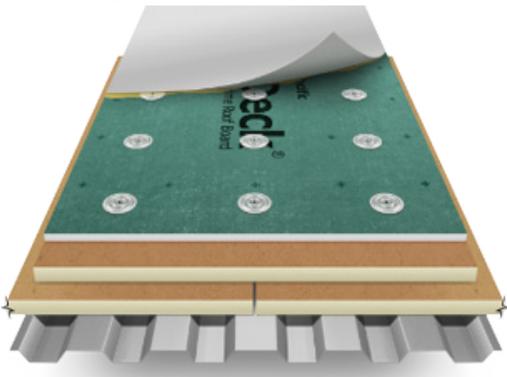
Versaliner®

Including all derivatives of this board family (standard and SF) is a sheathing board intended to offer fire-resistance, impact resistance and racking resistance while maintaining snap-and-score workability.

THICKNESS (mm)	STEEL (mm)				TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 12.0	≥ 12.0 ≤ 18.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-42-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-42-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-65-5 PAGE 67	TFTF5.5-73-7 PAGE 65	WHX42 PAGE 54

ETERNAL APPLICATION

6.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 68	N/A Not For Encasement		BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 68			BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 68			BMDW4832 PAGE 55



INTERNAL APPLICATION

EXTERNAL APPLICATION

DensDeck®		Including all derivatives of this board family (standard and Prime®) is a fire-resistant board with fiberglass reinforcement for roofing applications.	
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.4	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.7	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
15.9	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
6.4	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.7	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
15.9	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



INTERNAL APPLICATION

EXTERNAL APPLICATION

DensGlass®		A fire and moisture resistant sheathing board with fiberglass reinforcement.	
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
12.7	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
15.9	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.7	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
15.9	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55

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Promat

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More information on Promat® products is available from their website, www.promat.co.uk. They can also be contacted by telephone call to +44 (0) 800 588 4444.

Promat® offers a selection of specialist boards, which includes (but is not limited to):

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INTERNAL APPLICATION

Masterboard®

Is a multi-purpose board suitable for a variety of applications and offers up to 30 mins fire resistance. It is intended for use in areas of high humidity such as swimming pools.

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54



INTERNAL APPLICATION

Supalux®

A fire protection board offering up to 240 minutes of fire protection while maintaining improved moisture resistance. It is intended for use in areas with high temperatures.

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX60 PAGE 54
25.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX60 PAGE 54

FIXING FINDER



INTERNAL APPLICATION

Vermiculux®

A fire protection board offering up to 240 minutes of fire protection designed specifically for encasement and fire protection of structural steel sections

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
20.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX60 PAGE 54
25.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-93-7 PAGE 65	WHX60 PAGE 54
30.0	WHX42 PAGE 54	TSTF5.5-50-3 PAGE 66	TSTF5.5-93-7 PAGE 65	WHX60 PAGE 54
35.0	WHX42 PAGE 54	TSTF5.5-62-3 PAGE 66	TSTF5.5-93-7 PAGE 65	WHX60 PAGE 54
40.0	WHX60 PAGE 54	TSTF5.5-62-3 PAGE 66	TSTF5.5-93-7 PAGE 65	WHX80 PAGE 54
50.0	WHX60 PAGE 54	TSTF5.5-80-3 PAGE 66	TSTF5.5-93-7 PAGE 65	WHX80 PAGE 54



INTERNAL APPLICATION

Promatect®

Including all derivatives of this board family (250®, L-500® and HD®) is a fire-resistant board for the protection of steelwork and mezzanines.

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
25.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
30.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54



INTERNAL APPLICATION

Promafour®

A fire protection board designed to resist temperatures up to 1,000°C for use specifically in chimneys and around fireplaces.

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54



SQBoard® is a brand name of ScrewQuick Ltd. and specialises in the manufacture of chloride free magnesium oxide boards, inter alia.

More information on ScrewQuick® products is available from their website, www.sqboard.net.

They can also be contacted by telephone call to +44 (0) 330 053 9322

Promat® offers a selection of specialist boards, which includes (but is not limited to):

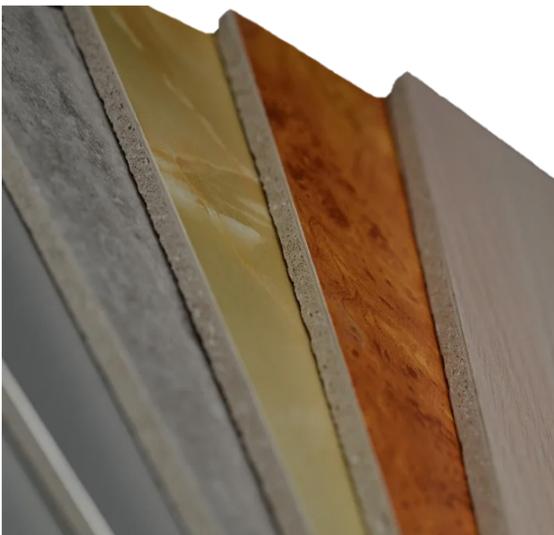
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SQBoard®

A multi-purpose board suitable for a variety of internal and external applications. The boards are specified as non-combustible with good water and impact resistance.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
3.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX32 PAGE 54
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX32 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX32 PAGE 54
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX32 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX32 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX60 PAGE 54
3.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
6.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
9.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
10.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
12.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
15.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
18.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
20.0	BMDW4842 PAGE 55	BMDW5.5-50-3 PAGE 68	BMDW4870 PAGE 55

INTERNAL APPLICATION



EXTERNAL APPLICATION

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CEMENTITIOUS AND SPECIALIST BOARDS

INTERNAL/EXTERNAL APPLICATION



RCM Ltd® is a subsidiary of Benx Ltd and specialises in the manufacture of various render carrier and sheathing board products used in external wall systems, inter alia.

More information on RCM® products is available from their website, www.buildingboards.co.uk.

They can also be contacted by telephone call to +44 (0) 800 612 4662.

RCM® offers a selection of specialist boards under their various brands, which includes (but is not limited to):

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CEMBOARD®

A sheathing board designed to provide temporary weather protection for structural steel frame (SFS) constructions where the façade/ cladding system is connected back to the SFS.

THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ C16	
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
16.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX42 PAGE 54
24.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX42 PAGE 54
8.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 66	BMDW4842 PAGE 54
10.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 66	BMDW4842 PAGE 54
12.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 66	BMDW4842 PAGE 54
16.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 66	BMDW4842 PAGE 54
18.0	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 66	BMDW4842 PAGE 54
20.0	BMDW4832 PAGE 54	BMWD5.5-50-3 PAGE 66	BMDW4842 PAGE 54
24.0	BMDW4832 PAGE 54	BMWD5.5-50-3 PAGE 66	BMDW4842 PAGE 54

INTERNAL APPLICATION



EXTERNAL APPLICATION

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Multipurpose®

A versatile cellulose fibre cement board offering excellent strength, weathering and acoustic properties.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
3.2	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
4.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
3.2	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
4.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



Siltech®

A non-combustible, flexible calcium silicate board with offers superior workability.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54

FIXING FINDER



Renderflex®

A high-performance cellulose fibre cement board, offering excellent strength, weathering and stability properties when used with polymer renders.

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
INTERNAL APPLICATION			
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



Y-Wall®

A flexible calcium silicate-based cement board for use as a fire rated sheathing board.

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
INTERNAL APPLICATION			
6.0	WHX32 PAGE 55	TSTF4.8-38-3 PAGE 37	WHX42 PAGE 25
9.0	WHX32 PAGE 55	TSTF4.8-38-3 PAGE 37	WHX42 PAGE 25
12.0	WHX32 PAGE 55	TSTF4.8-38-3 PAGE 37	WHX42 PAGE 25
15.0	WHX32 PAGE 55	TSTF4.8-38-3 PAGE 37	WHX42 PAGE 25
EXTERNAL APPLICATION			
6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4832 PAGE 55
15.0	BMDW4832 PAGE 55	BMDW5.5-62-3 PAGE 68	BMDW4832 PAGE 55

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Gyproc® Rigidur H®

All derivatives of this board family (standard and Activ'Air®) is a gypsum-based fibre cement board for use in the GypWall Extreme® system. It offers superior mechanical strength and is intended for use in high traffic applications.

INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16	
12.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54	
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54	
12.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55	
15.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55	

CEMBRIT

Cembrit® is a multinational company based in Denmark (with local offices around the globe) and specialises in the manufacture of roofing, cladding and building board products, inter alia.

More information on Cembrit® products is available from their website, www.cembrit.co.uk.

They can also be contacted by telephone call to +44 (0) 203 372 2300.

Cembrit® offers a selection of specialist boards, which includes (but is not limited to):

*All image(s) and trademark(s) used on this page which are sourced from Cembrit® remain the intellectual property of Cembrit® and are used herein under the principles of fair dealing and for educational purposes only. Evolution recommends that readers always defer to the instructions of the board manufacturer.



INTERNAL APPLICATION

EXTERNAL APPLICATION

WS Extreme®

A fibre cement board for use in external applications. It is designed to absorb and release moisture without negatively affecting the durability, strength or performance of the board.

THICKNESS (mm)	STEEL (mm)			TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16	
4.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54	
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54	
4.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55	
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55	

FIXING FINDER



INTERNAL APPLICATION

EXTERNAL APPLICATION

WS Basic®

A fibre cement board for use in external applications. It is designed to have a low vapour transmission resistance which enables moisture to pass through from inside the building.

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 69	BMDW4832 PAGE 55

Cempanel®

including all derivatives of this board family (standard & A2) is a fibre cement board for use in sheathing and general-purpose applications. It is noted to have good racking resistance and can be used for lining inside shipping containers.



INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
16.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX60 PAGE 54
24.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX60 PAGE 54
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
16.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
18.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
20.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4870 PAGE 55
24.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4870 PAGE 55

Using the tables please use the **page numbers** shown to find further product and technical information on the selected fasteners on their relevant page(s).

Don't forget you can contact the **Evolution Technical Team** for further assistance by e-mail to

technical@evofas.com

or by telephone call to **+44 (0) 141 647 7100**.

CEMENTITIOUS AND SPECIALIST BOARDS



PB®

A lightweight board designed to be easily cut and lifted. It is designed for external decorative rendering or used as an element within internal fire rated partition walls and ceilings.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 2.5	≥ C16
12.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
12.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 69
		BMDW4832 PAGE 55

EXTERNAL APPLICATION



HD®

An uncoated, untreated high-density building board/ cladding sheet for use in demanding climates. It is noted as durable, dimensionally stable and impact resistant.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 2.5	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
		BMDW4832 PAGE 55
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
		BMDW4832 PAGE 55
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
		BMDW4832 PAGE 55

EXTERNAL APPLICATION



Multi Force®

A cement board designed for use in internal partitions and dry lining applications due to its good impact resistance and acoustic insulation properties.

INTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 2.5	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
		WHX42 PAGE 54
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
		BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
		BMDW4832 PAGE 55

EXTERNAL APPLICATION



ETEX® N.V. is a multinational company based in the Netherlands (with local offices around the globe) and specialises in the manufacture of roofing, cladding and building board products, inter alia.

ETEX® owns many well-known brands including Cedral®, Durlock®, Equitone®, Eternit®, Gyplac®, Kalsi®, Pladur®, Promat®, Siniat® and Superboard®.

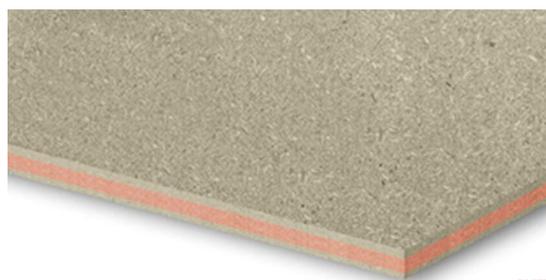
For the purposes of this document, only specialist boards sold under the Promat® and Siniat® brands are considered.

More information on ETEX® products is available from their website, www.etexgroup.com. They can also be contacted by telephone call to +32 2778 1211.

ETEX® offers a selection of specialist boards, which includes (but is not limited to):



INTERNAL APPLICATION



INTERNAL APPLICATION



INTERNAL APPLICATION

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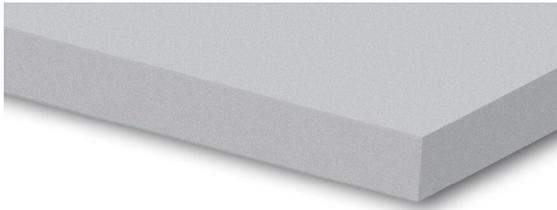
or by telephone call to **+44 (0) 141 647 7100**.

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LaDura®			
A gypsum-based, wood-fibre reinforced fibreboard intended to have superior fire, moisture and impact resistance. It was designed for use in high-traffic area such as schools, hospitals and hotel corridors.			
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
12.5	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54
15.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54

Duripanel®			
A highly durable cement particle board for use in load bearing applications and as an alternative to chipboard or plywood and is intended for use in a variety of general-purpose applications.			
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
10.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54
12.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54

Securtex®			
A reinforced plasterboard for secure partition systems.			
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
15.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54



Hydropanel®

A cement fibre board for internal use in wall, ceiling and floor applications. It offers high levels of moisture, impact and acoustic resistance.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
12.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54

INTERNAL APPLICATION



Bluclad®

A cement fibre board suitable for external sheathing, direct render and other textured finishes.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
10.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54

INTERNAL APPLICATION



Weather Defence®

An external sheathing board, faced with water repellent material for superior weather protection.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
12.5	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54
12.5	EVUTK38 PAGE 64	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55

INTERNAL APPLICATION

EXTERNAL APPLICATION



DURASTEEL®

A steel faced blast resistant panel for high impact, fire and blast resisting applications.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54
9.5	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 68	WHX42 PAGE 54
6.0	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55
9.5	BMDW4842 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4842 PAGE 55

INTERNAL APPLICATION

EXTERNAL APPLICATION



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INTERNAL APPLICATION

Versaroc® An Ordinary Portland Cement (OPC) and inorganic fibre reinforced cementitious board for exterior sheathing of Structural Framing Systems (SFS) due to its high durability and non-combustibility.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0
	≥ C16	
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 68
12.0	WHX32 PAGE 54	WHX42 PAGE 54
15.0	WHX32 PAGE 54	WHX42 PAGE 54
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
12.0	BMDW4832 PAGE 55	BMDW4832 PAGE 55
15.0	BMDW4832 PAGE 55	BMDW4832 PAGE 55

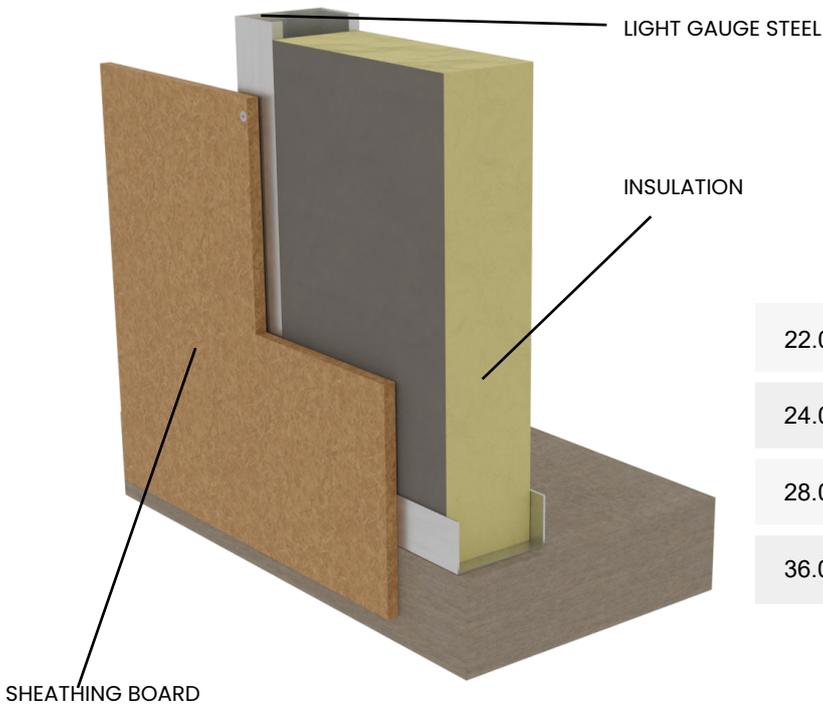
EXTERNAL APPLICATION



INTERNAL APPLICATION

Versapanel® All derivatives of this board family (standard and A2) is a cement bonded particle board for use in dry, humid and exterior conditions. It is designed for resistance against rot, moisture and impact.

THICKNESS (mm)	STEEL (mm)	TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0
	≥ C16	
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66
10.0	WHX32 PAGE 54	WHX42 PAGE 54
12.0	WHX32 PAGE 54	WHX42 PAGE 54
16.0	WHX32 PAGE 54	WHX42 PAGE 54
18.0	WHX32 PAGE 54	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66
		WHX60 PAGE 54



EXTERNAL APPLICATION

22.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX60 PAGE 54
24.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	WHX60 PAGE 54
28.0	WHX32 PAGE 54	TSTF5.5-62-3 PAGE 66	WHX60 PAGE 54
36.0	WHX32 PAGE 54	TSTF5.5-62-3 PAGE 66	WHX80 PAGE 54

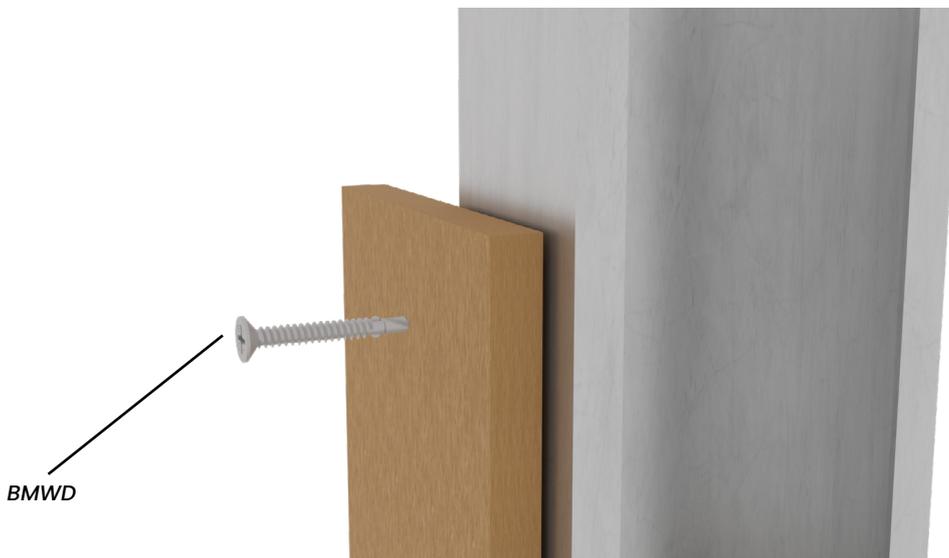
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
16.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
18.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
20.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4850 PAGE 55
22.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4850 PAGE 55
24.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4850 PAGE 55
28.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4870 PAGE 55
36.0	BMDW4832 PAGE 55	BMWD5.5-62-3 PAGE 68	BMDW4870 PAGE 55

Using the tables please use the **page numbers** shown to find further product and technical information on the selected fasteners on their relevant page(s).

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or by telephone call to **+44 (0) 141 647 7100**.



Fermacell® is a subsidiary of James Hardie® Europe GmbH and specialises in the manufacture of various products used in interior and exterior systems, inter alia.

More information on Fermacell® and James Hardie® products is available from their website, www.jameshardie.co.uk.

They can also be contacted by telephone call to +44 (0) 121 311 3480.

James Hardie® offers a selection of boards under their various brands, which includes (but is not limited to):

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INTERNAL APPLICATION

Fermacell® A multi-purpose building board for internal dry lining purposes.			
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
10.0	F35 PAGE 56	TSTF4.8-38-3 PAGE 50	DWSC32 PAGE 53
12.5	F35 PAGE 56	TSTF4.8-38-3 PAGE 50	DWSC38 PAGE 53
15.0	F35 PAGE 56	TSTF4.8-38-3 PAGE 50	DWSC42 PAGE 53
18.0	F45 PAGE 56	TSTF4.8-38-3 PAGE 50	DWSC50 PAGE 53



INTERNAL APPLICATION

HardieBacker® A cement board that has no loose aggregates or fillers and is intended for use as a tile backerboard and is intended to be used in moisture sensitive areas like kitchens and bathrooms.			
THICKNESS (mm)	STEEL (mm)	TIMBER	
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54



Power Panel H20®

An advanced water-resistant cement bonded board ideal for walls, floors and ceilings. It is also an ideal render carrier board and is designed for use in damp conditions.

INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
12.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.5	BMDW4832 PAGE 54	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



HardiePlank®

A low maintenance weatherboard and is used for fibre cement cladding and texturing on residential buildings.

INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 25
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



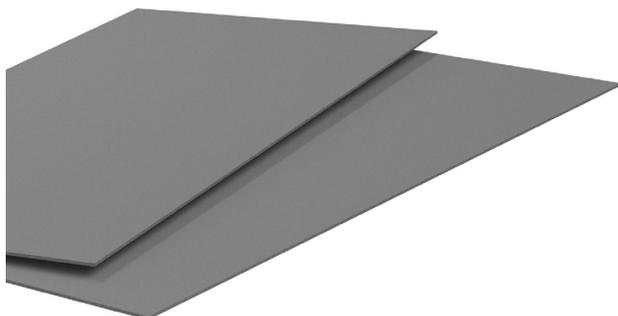
HardiePanel®

A cementitious board comprised of ordinary Portland cement, sand and cellulose fibres. It is intended for use in exterior cladding and façade applications..

INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 25
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



Windbreaker®

A cementitious board comprised of ordinary Portland cement, sand and cellulose fibres. It is intended for use in exterior sheathing applications as a weather defence board with high fire-resistance, water-tightness and structural racking strength.

INTERNAL APPLICATION

EXTERNAL APPLICATION

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 25
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55

Kemwell Fire® International Ltd specialises in the manufacture of various fire-rated products used in interior and exterior systems, inter alia.

More information on Kemwell Fire® and products is available from their website, www.kemwell-fire.com.

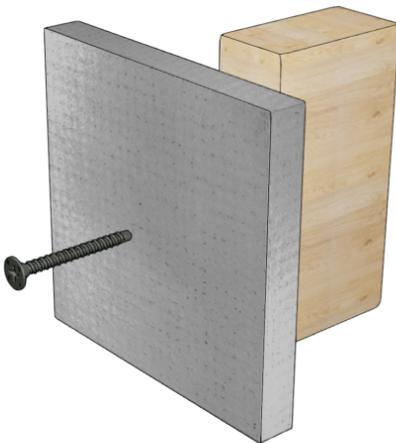
They can also be contacted by telephone call to +44 (0) 121 285 3156.

Kemwell Fire® offers a selection of boards under their various brands, which includes (but is not limited to):

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INTERNAL APPLICATION



EXTERNAL APPLICATION



WeatherKem®

A specialist calcium silicate-based fibre cement board combining weather, moisture and fire resistance properties with high impact strength and sound insulation. It is primarily used as an external sheathing board on metal and timber framing systems.

THICKNESS (mm)	STEEL (mm)	TIMBER	
	 ≥ 0.5 ≤ 2.5	 ≥ 1.2 ≤ 4.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
8.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
8.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
15.0	BMDW4832 PAGE 55	BMDW5.5-50-3 PAGE 68	BMDW4832 PAGE 55
18.0	BMDW4832 PAGE 55	BMDW5.5-50-3 PAGE 68	BMDW4832 PAGE 55

FIXING FINDER



INTERNAL APPLICATION

MultiKem®

A easy to install, non-combustible calcium silicate building board combining fire, moisture and impact resistance with thermal insulation properties. It provides up to 120 minutes fire resistance.

THICKNESS (mm)	STEEL (mm)		TIMBER
			
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54



INTERNAL APPLICATION

FireKem®

An easy to install, clean and lightweight, non-combustible calcium silicate fire protection building board. It has multi-purpose applications and is commonly used for commercial and industrial building projects.

THICKNESS (mm)	STEEL (mm)			TIMBER
				
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ 4.0 ≤ 18.0	≥ C16
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
15.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
18.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX42 PAGE 54
20.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX60 PAGE 54
25.0	WHX32 PAGE 54	TSTF5.5-50-3 PAGE 66	TSTF5.5-73-7 PAGE 65	WHX60 PAGE 54

EXTERNAL APPLICATION



9.0	BMDW4832 PAGE 54	BMWD4.4-38-3 PAGE 66	N/A Not For Encasement	BMDW4832 PAGE 54
12.0	BMDW4832 PAGE 54	BMWD4.4-38-3 PAGE 66		BMDW4832 PAGE 54
15.0	BMDW4832 PAGE 54	BMWD4.4-38-3 PAGE 66		BMDW4832 PAGE 54
18.0	BMDW4832 PAGE 54	BMWD4.4-38-3 PAGE 66		BMDW4832 PAGE 54
20.0	BMDW4832 PAGE 54	BMWD5.5-50-3 PAGE 66		BMDW4850 PAGE 54
25.0	BMDW4832 PAGE 54	BMWD4.4-38-3 PAGE 66		BMDW4850 PAGE 54



Impact®

Non-combustible fire, blast and impact protection board and barrier system used for critical internal and external applications in the commercial, industrial, transport and energy sectors.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.2 ≤ 4.0	≥ C16
INTERNAL APPLICATION			
6.0	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.5	EVUTK38 PAGE 64	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
6.0	BMDW4832 PAGE 55	BMWD5.5-38-3 PAGE 68	BMDW4832 PAGE 55
9.5	BMDW4832 PAGE 55	BMWD5.5-38-3 PAGE 68	BMDW4832 PAGE 55



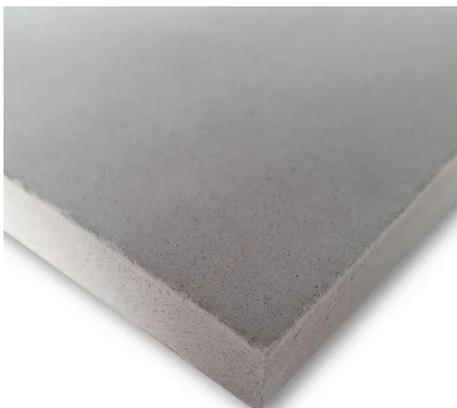
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C-Board®

High-density fibre cement sheathing board, for modular and offsite construction. A1 non-combustible, high-impact strength and can be used where physical and mechanical properties are required.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.2 ≤ 2.5	≥ C16
INTERNAL APPLICATION			
12.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54
EXTERNAL APPLICATION			
12.0	BMDW4832 PAGE 55	BMDW4832 PAGE 55	BMDW4842 PAGE 55



S-Board®

Calcium silicate sheathing board for applications that require an A1 non-combustible fire rating. Used for indoor partitions, ceilings and roof sub-boards, etc.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.2 ≤ 2.5	≥ C16
INTERNAL APPLICATION			
12.0	WHX32 PAGE 54	WHX32 PAGE 54	WHX42 PAGE 54
EXTERNAL APPLICATION			
12.0	BMDW4832 PAGE 55	BMDW4832 PAGE 55	BMDW4842 PAGE 55



Resistant Building Products® Ltd specialises in the manufacture of various fire-rated and moisture resistant products used in interior and exterior systems, inter alia.

More information on Resistant Building Products® and products is available from their website, www.resistant.co.uk. They can also be contacted by telephone call to +44 (0) 289 074 9400.

Resistant Building Products® offers a selection of boards under their various brands, which includes (but is not limited to):

*All image(s) and trademark(s) used on this page which are sourced from Kemwell Fire® remain the intellectual property of Kemwell Fire® and are used herein under the principles of fair dealing and for educational purposes only. Evolution recommends that readers always defer to the instructions of the board manufacturer.

Multi-pro®

A versatile passive fire protection board.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 1.0	≥ 1.0 ≤ 2.5	≥ C16
6.0	EVUCD35 PAGE 57	DWSDZ25 PAGE 50	EVUCD35 PAGE 57
9.0	WHX42 PAGE 54	WHX42 PAGE 54	WHX42 PAGE 54
12.0	CWAS45 PAGE 62	CWASD45 PAGE 62	CWAS45 PAGE 62
EXTERNAL APPLICATION	6.0	BMDW4842 PAGE 55	BMDW4842 PAGE 55
	9.0	BMDW4842 PAGE 55	BMDW4842 PAGE 55
	12.0	BMDW4842 PAGE 55	BMDW4842 PAGE 55



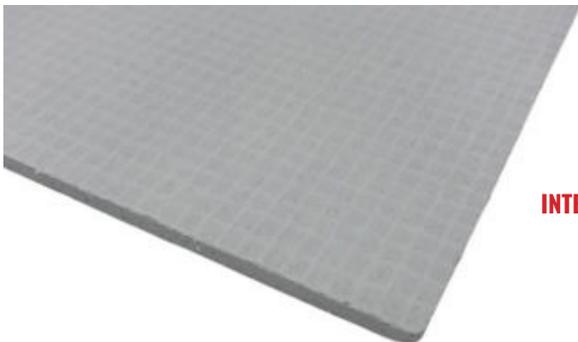
INTERNAL APPLICATION

EXTERNAL APPLICATION

Multi-proXS®

An extra strong magnesium oxide (MgO) board with extra embedded layers of reinforcing mesh to offer improved racking strength and offers good fire resistance properties.

THICKNESS (mm)	STEEL (mm)		TIMBER
	≥ 0.5 ≤ 2.5	≥ 1.0 ≤ 4.0	≥ C16
6.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION	6.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
	9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68
	12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68



INTERNAL APPLICATION

EXTERNAL APPLICATION

CEMENTITIOUS AND SPECIALIST BOARDS

Multi-Rend®

An external render carrier board with a heavily keyed surface to receive a wide range of finishes.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 2.5$	$\geq 1.0 \leq 4.0$	$\geq C16$
INTERNAL APPLICATION			
6.5	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
6.5	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55

Base Board®

A building board intended for use as a sheathing or render carrier board. It is designed as an alternative to OSB or plywood boards in such applications.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 2.5$	$\geq 1.0 \leq 4.0$	$\geq C16$
INTERNAL APPLICATION			
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55

20-20®

A fibre cement building board designed to be tough and durable with exceptional pull-out strength and A1 non-combustible fire rating.

THICKNESS (mm)	STEEL (mm)		TIMBER
	$\geq 0.5 \leq 2.5$	$\geq 1.0 \leq 4.0$	$\geq C16$
INTERNAL APPLICATION			
10.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION			
10.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55



STS® Ltd specialises in the manufacture of various building board products used in interior and exterior systems, inter alia.

More information on STS® and products is available from their website, www.sts-uk.com. They can also be contacted by telephone call to +44 (0) 113 202 2010.

STS® offers a selection of boards under their various brands, which includes (but is not limited to):



INTERNAL APPLICATION

EXTERNAL APPLICATION

Using the tables please use the **page numbers** shown to find further product and technical information on the selected fasteners on their relevant page(s).

Don't forget you can contact the **Evolution Technical Team for further assistance** by e-mail to

technical@evofas.com

or by telephone call to **+44 (0) 141 647 7100**.

Multi-proXS® An extra strong magnesium oxide (MgO) board with extra embedded layers of reinforcing mesh to offer improved racking strength and offers good fire resistance properties.

THICKNESS (mm)	STEEL (mm)	TIMBER		
	≥ 0.5 ≤ 2.5	≥ C16		
INTERNAL APPLICATION	6.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
	9.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
	12.0	WHX32 PAGE 54	TSTF4.8-38-3 PAGE 66	WHX42 PAGE 54
EXTERNAL APPLICATION	6.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
	9.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55
	12.0	BMDW4832 PAGE 55	BMWD4.8-38-3 PAGE 68	BMDW4832 PAGE 55

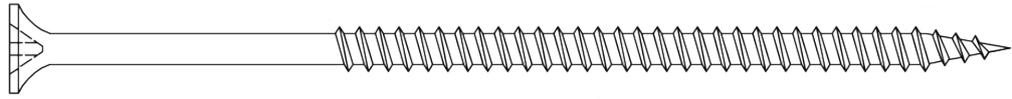


EXPLORE OUR FULL RANGE IN OUR
DIGITAL PRODUCT GUIDE:

***ALWAYS BEING UPDATED
WITH OUR LATEST
PRODUCTS AND VIDEOS!***



AT:
www.evofas.com



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/ NOM.LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON	DRILL CAP (mm)
DWSZ25	3.5 x 25.0	15.0	1,000	10,000	0.6-1.2
DWSZ32	3.5 x 32.0	22.0	1,000	10,000	0.6-1.2
DWSZ38	3.5 x 38.0	28.0	1,000	10,000	0.6-1.2
DWSZ42	3.5 x 42.0	32.0	1,000	10,000	0.6-1.2
DWSZ50	3.5 x 50.0	40.0	1,000	10,000	0.6-1.2
DWSZ65	4.2 x 65.0	55.0	500	5,000	0.6-1.2
DWSZ75	4.2 x 75.0	65.0	500	5,000	0.6-1.2
DWSZ90	4.2 x 90.0	80.0	500	3,000	0.6-1.2
DWSZ100	4.2 x 100.0	90.0	500	3,000	0.6-1.2
DWSZ125	4.8 x 125.0	115.0	250	2,500	0.6-1.2
DWSZ150	4.8 x 150.0	140.0	200	2,000	0.6-1.2

Designed For:	Fixing plasterboard to metal stud up to 1.2mm
Head Style:	Bugle
Drive:	Phillips 2
Drill Point:	Sharp point
Material Grade:	AISI C1022
Coating:	Electro plated zinc
Shank Material:	Carbon steel
Thread Form:	Twin thread, fine

KEY POINTS

Designed to drill through 0.6mm of steel in 1 second

Bugle head design for application versatility gives a flush countersink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation for maximum holding power

Manufactured from C1022 grade steel (premium quality) with bright zinc plating



Technical Data

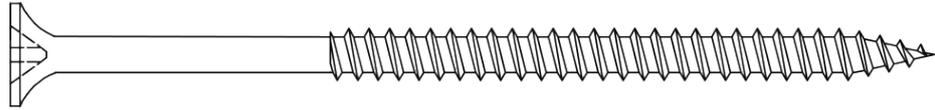
Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	6.1kN	4.5kN
4.2mm	7.3kN	4.9kN
4.8mm	11.0kN	7.3kN

Characteristic withdrawal resistance			
Diameter	Steel Thickness		
	0.6mm	1.0mm	1.2mm
3.5mm	0.8kN	1.9kN	2.1kN
4.2mm	0.9kN	1.8kN	2.2kN
4.8mm	0.9kN	2.2kN	2.6kN



Fine Thread Drywall Screw (Black Phosphate)

DRYWALL PRODUCTS



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	MAX BOARD THICKNESS	BOX	CARTON	DRILL CAP (mm)	Designed For:	
DWSP25	3.5 x 25.0	15.0	1,000	10,000	0.6-1.2		Fixing plasterboard to metal stud up to 1.2mm
DWSP32	3.5 x 32.0	22.0	1,000	10,000	0.6-1.2	Head Style:	Bugle
DWSP38	3.5 x 38.0	28.0	1,000	10,000	0.6-1.2	Drive:	Phillips 2
DWSP42	3.5 x 42.0	32.0	1,000	10,000	0.6-1.2	Drill Point:	Sharp point
DWSP50	3.5 x 50.0	40.0	1,000	10,000	0.6-1.2	Material Grade:	AISI C1022
DWSP65	4.2 x 65.0	55.0	500	5,000	0.6-1.2	Coating:	Black phosphate
DWSP75	4.2 x 75.0	65.0	500	5,000	0.6-1.2	Shank Material:	Carbon steel
DWSP100	4.2 x 100.0	90.0	500	3,000	0.6-1.2	Thread Form:	Twin thread, fine

KEY POINTS

Manufactured from C1018 grade steel (premium quality) with 48 hour salt spray tested black phosphate coating

Bugle head design for application versatility gives a flush counter-sink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation for maximum holding power

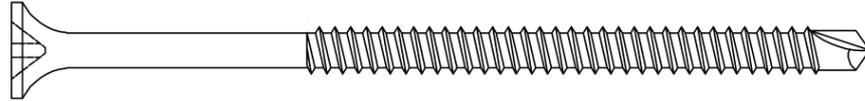
Super sharp point dimples steel at point of contact providing wobble-free and therefore quicker installation



Technical Data

Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	6.5kN	4.4kN
4.2mm	8.1kN	5.1kN
4.8mm	12.3kN	7.0kN

Characteristic withdrawal resistance			
Diameter	Steel Thickness		
	0.6mm	1.0mm	1.2mm
3.5mm	0.8kN	1.6kN	2.0kN
4.2mm	0.9kN	2.1kN	2.4kN
4.8mm	0.9kN	2.1kN	2.6kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM.LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON	DRILL CAP (mm)
DWSDZ25	3.5 x 25.0 mm	12.0	1,000	10,000	0.6-2.5
DWSDZ32	3.5 x 32.0 mm	15.0	1,000	10,000	0.6-2.5
DWSDZ38	3.5 x 38.0 mm	20.0	1,000	10,000	0.6-2.5
DWSDZ42	3.5 x 42.0 mm	25.0	1,000	10,000	0.6-2.5
DWSDZ50	3.5 x 50.0 mm	35.0	1,000	10,000	0.6-2.5
DWSDZ65	4.2 x 65.0 mm	50.0	500	5,000	0.6-2.5
DWSDZ75	4.2 x 75.0 mm	60.0	500	5,000	0.6-2.5
DWSDZ90	4.8 x 90.0 mm	75.0	500	3,000	0.6-2.5
DWSDZ100	4.8 x 100.0 mm	85.0	500	3,000	0.6-2.5
DWSDZ125	4.8 x 125.0 mm	110.0	250	2,500	0.6-2.5

Designed For:	Fixing plasterboard to heavier gauge metal section (up to 2.5mm)
Head Style:	Bugle
Drive:	Phillips 2
Drill Point:	Self drill point
Material Grade:	AISI C1022
Coating:	Electro plated zinc
Shank Material:	Carbon steel



KEY POINTS

- Bugle head design for application versatility gives a flush countersink with no paper tearing
- Thread configuration ensures clean, smooth, low torque installation; fully formed for maximum holding power
- Steel C1022 with electroplated zinc to 5µm
- Self-drill point recommended for use on metal section up to 2.5mm, giving fast and consistent drilling times
- Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening



Technical Data*

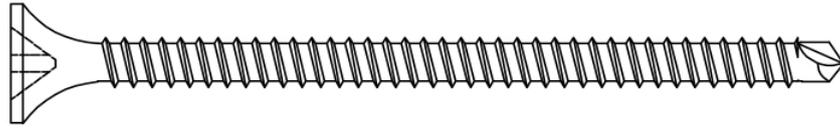
Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	6.1kN	4.5kN
4.2mm	7.3kN	4.9kN
4.8mm	11.0kN	7.3kN

Characteristic withdrawal resistance			
Diameter	Steel Thickness		
	1.2mm	1.6mm	mm
3.5mm	1.5kN	2.0kN	4.0kN
4.2mm	1.7kN	2.2kN	4.5kN
4.8mm	1.8kN	2.2kN	4.8kN



Bugle Head Self-Drill Drywall Screws

DRYWALL PRODUCTS



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/ NOM. LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON	DRILL CAP (mm)
DWSDP25	3.5 x 25.0	12.0	1,000	10,000	0.6-2.5
DWSDP35	3.5 x 35.0	15.0	1,000	10,000	0.6-2.5
DWSDP45	3.5 x 45.0	25.0	1,000	10,000	0.6-2.5
DWSDP55	3.5 x 55.0	35.0	1,000	10,000	0.6-2.5

Designed For:	Fixing plasterboard to heavier gauge metal section (up to 2.0mm)
Head Style:	Bugle
Drive:	Phillips 2
Drill Point:	Self drill point
Material Grade:	AISI C1022
Coating:	Black Phosphate
Shank Material:	Carbon steel



KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation; fully formed for maximum holding power

Self-drill point recommended for use on metal section up to 2.5mm, giving fast and consistent drilling times

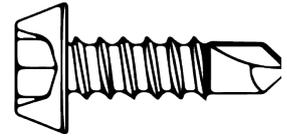
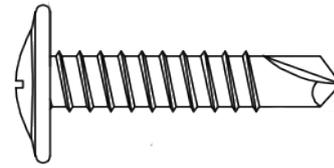
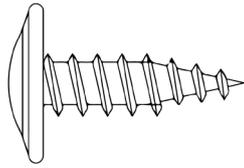
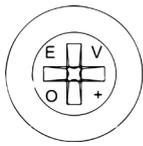
Deep Phillips recess reduces dropped or misaligned screws, providing fast and efficient fastening



Technical Data

Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	7.3kN	5.0kN
4.2mm	11.0kN	7.5kN
4.8mm	14.2kN	9.8kN

Characteristic withdrawal resistance (timber substrate)		
Diameter	Embedment Depth	
	15.0mm	27.0mm
3.5mm	0.9kN	1.6kN
4.2mm	1.1kN	1.8kN
4.8mm	1.5kN	3.0kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	WAFER HEAD	PAN HEAD	BOX	CARTON	DRILL CAP (mm)
WHDZ13*	4.2 x 13.0	✓		1,000	10,000	0.6-1.2
WHSSDZ12	4.2 x 12.0	✓		1,000	10,000	0.6-2.5
WHSDZ16	4.2 X 16.0	✓		1,000	10,000	0.6-2.5
WHSDZ19	4.2 x 19.0	✓		1,000	10,000	0.6-2.5
WHSDZ25	4.2 x 25.0	✓		1,000	10,000	0.6-2.5
WHSDZ50	4.2 x 50.0	✓		500	5,000	0.6-2.5
WHDP13**	4.2 x 13.0	✓		1,000	10,000	0.6-2.5
PHDZ12*	3.9 x 12.0	✓		1,000	10,000	0.6-2.5
PHSDZ12	3.9 x 12.0		✓	1,000	10,000	0.6-2.5

Designed For:	The assembly of drywall track and ceiling track systems
Drive:	Phillips 2
Material Grade:	AISI C1022
Coating:	Electroplated zinc
Shank Material:	Carbon steel
Thread Form:	Single

* Sharp Point
 ** Available from our Irish Depot

KEY POINTS

Deep, stick-fit, Phillips recess, reduces dropped or misaligned screws, providing fast, efficient fastening

Thread configuration ensures clean, smooth, low torque installation; fully formed for maximum holding power

Superior corrosion protection to ensure long term fastener integrity. Electroplated zinc

Case hardened carbon steel



Technical Data

Characteristic mechanical performance

Diameter	Tensile Capacity	Shear Resistance
3.9mm	N/A	8.47kN
4.2mm	9.5kN	6.1kN

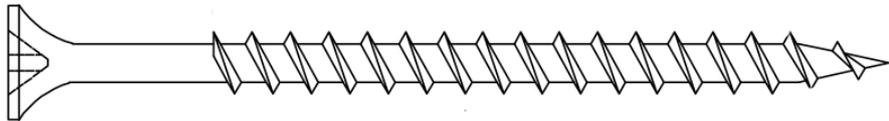
Characteristic withdrawal resistance

Diameter	Steel Thickness		
	1.2mm	1.8mm	2.5mm
4.2mm	1.6kN	2.2kN	4.2kN



Coarse Thread Drywall Screw (Black Phosphate)

**DRYWALL
PRODUCTS**



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM.LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON
DWSC25	3.5 x 25.0	0 - 9.0	1,000	10,000
DWSC32	3.5 x 32.0	0 - 12.5.0	1,000	10,000
DWSC38	3.5 x 38.0	0 - 15.0	1,000	10,000
DWSC42	3.5 x 42.0	0 - 18.0	1,000	10,000
DWSC50	3.5 x 50.0	0 - 25.0	1,000	10,000
DWSC65	4.2 x 65.0	0 - 40.0	500	5,000
DWSC75	4.2 x 75.0	0 - 50.0	500	5,000
DWSC90	4.8 x 90.0	40 - 65.0	500	3,000
DWSC100	4.8 x 100.0	50 - 75.0	500	3,000
DWSC110	4.8 x 110.0	65 - 85.0	200	2,000
DWSC120	4.8 x 120.0	75 - 95.0	200	2,000
DWSC130	4.8 x 130.0	85 - 105.0	200	2,000
DWSC150	4.8 x 150.0	95 - 125.0	200	2,000
DWSC170	4.8 x 170.0	115 - 145.0	200	1,600

Designed For:	Fixing plasterboard to timber
Head Style:	Bugle
Drive:	Phillips 2
Drill Point:	Sharp point
Material Grade:	AISI C1022
Coating:	Black Phosphate
Shank Material:	Carbon steel
Thread Form:	Single



KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Coarse thread screws have nine threads per inch to give greater 'grab' in timber, as opposed to standard drywall screws which have seventeen threads per inch

Thread configuration ensures rapid advancement when fixing to timber

3.5mm coarse thread provide greater hold in timber



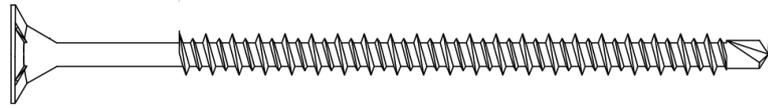
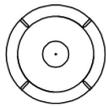
Technical Data

Characteristic mechanical performance

Parameter	Value
Tensile Capacity	8.4 kN
Shear Resistance	7.2 kN

Characteristic withdrawal resistance (C16 Timber)

Embedment Depth	
15mm	25mm
1.2kN	2.8kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM.LGTH (mm)	BOX	CARTON	DRILL CAP (mm)
WHX32	4.2 x 32	200	6,400	0.6-2.5
WHX42	4.2 x 42	200	4,800	0.6-2.5
WHX60	4.2 x 60	200	4,800	0.6-2.5
WHX80	4.2 x 80	200	3,200	0.6-2.5
WHX100	4.2 x 100	200	3,200	0.6-2.5
WHL08158	4.2 x 42	200	4,800	0.6-2.5

Designed For:	Fixing cementitious and other dense boards to timber and metal substrates
Head Style:	Double countersunk with nibs
Recess type:	Phillips No. 2
Thread Type:	Patent (pending) Evolution Universal Thread
Material Type:	Carbon Steel
Material Grade:	C1022
Coating:	1,000Hr EvoShield®



KEY POINTS

Countersunk nibs will act to lessen reaction stresses in the substrate material

Countersunk nibs ensure flush finish even in very dense board environments

Super strong neck eliminates head snap

Self-drilling and hi-lo threadform give rapid advancement

Self-drilling, hi-lo thread for use in track from 0.6 to 2.5mm



Technical Data

Characteristic mechanical performance

Diameter	Tensile Capacity	Shear Resistance
4.2mm	6.9kN	5.0kN

Characteristic withdrawal resistance (metallic substrate)

Diameter	Steel Thickness		
	1.2mm	1.8mm	2.5mm
4.2mm	1.6kN	1.9kN	3.8kN

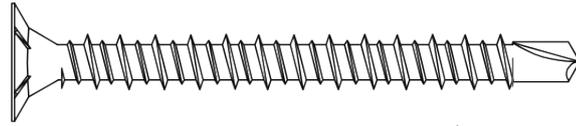
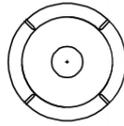
Characteristic withdrawal resistance in C16 Timber

Diameter	Embedment Depth		
	15mm	30mm	50mm
4.2mm	1.9kN	2.7kN	3.2kN



A2 Grade Bi-metal™ Self-drilling Board Screw

DRYWALL PRODUCTS



Designed For:	Fixing cementitious and other dense boards to timber and metal substrates
Head Style:	Double countersunk with nibs
Recess type:	Phillips No. 2
Thread Type:	Evolution Universal Thread Carbon steel
Material Grade:	A2 / Carbon Steel/ Bi-metal EN1.4301/SAE 304
Effective Thread Length:	Fully Threaded

PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	DRILL CAP (mm)
BMDW4.8-32	4.8 x 32	200	4,800	0.6-2.5
BMDW4.8-42	4.8 x 42	200	4,800	0.6-2.5
BMDW4.8-50	4.8 x 50	200	4,800	0.6-2.5
BMDW4.8-70	4.8 x 70	200	4,800	0.6-2.5

KEY POINTS

Countersunk nibs will act to lessen reaction stresses in the substrate material

Countersunk nibs ensure flush finish even in very dense board environments

High grade, medium carbon steel (C1022)

Super strong neck eliminates head snap

Self-drilling and hi-lo threadform give rapid advancement

Self-drilling, hi-lo thread for use in track from 0.6 to 2.5mm

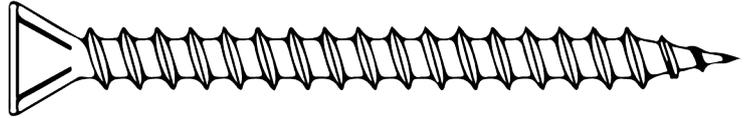
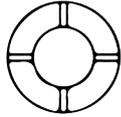


Technical Data

Characteristic withdrawal resistance (metallic substrate)						
Diameter	Steel Thickness					
	0.70	1.00	1.20	1.50	2.00	2.50
4.8mm	1.10 kN	1.20 kN	1.60 kN	1.80 kN	2.20 kN	3.60 kN

Timber Substrates			
Major Diameter	Timber Grade	Embedment Depth (mm)	Load (kN)
4.8mm	C16 (soft wood)	27.0	2.60
		35.0	3.00

Masonry Substrates			
Major Diameter	Masonry Grade	Embedment Depth (mm)	Load (kN)
4.8mm	7N Aerated Concrete (Breeze Block)	35.0	0.8



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	DRILL CAP (mm)
F35	3.9 x 35.0	1,000	10,000	0.6-1.2
F45	3.9 x 45.0	1,000	10,000	0.6-1.2
F55	3.9 x 55.0	1,000	10,000	0.6-1.2

Designed For:	Fixing dense and hard surfaced boards to both drywall track/timber base materials
Head Style:	Countersunk with 4 nibs
Drive Bit:	Phillips No. 2
Drill Point:	Sharp point
Material Grade:	SAE C1022 Carbon Steel
Coating:	Black phosphate
Shank material:	Carbon steel
Effective thread length:	Fully threaded



KEY POINTS

Self-countersinking nibs

Reduced width head

Suitable for Fermacell



Technical Data

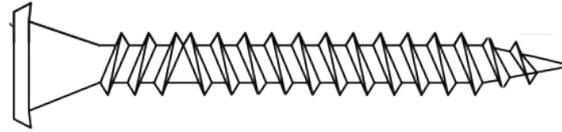
Characteristic withdrawal resistance (steel section)			
Diameter	Steel Thickness		
	0.6mm	1.0mm	1.2mm
3.9mm	0.8kN	1.9kN	2.2kN

Characteristic withdrawal resistance (timber)	
Diameter	Embedment Depth
	15mm
3.9mm	0.8kN



Under Cutting Drywall

DRYWALL PRODUCTS



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	DRILL CAP (mm)
EVUCD35	3.9 x 35.0	1,000	10,000	0.6-1.2
EVUCD45	3.9 x 45.0	500	7,500	0.6-1.2
COLLATED VERSION				
CDWUC35	3.9 x 35.0mm	1,000	10,000	0.5 - 1.2
CDWUC45	3.9 x 45.0mm	1,000	10,000	0.5 - 1.2

Designed For:	Fixing plasterboards with thick paper fascia to metal studs (0.5mm to 1.0mm) or timber
Head Style:	Undercutting ring
Drive Bit:	Phillips No. 2
Drill Point:	Sharp point
Material Grade:	SAE C1022 carbon steel (hardened min. 55HRC)
Coating:	5µm manganese phosphate
Shank material:	Carbon steel
Thread form:	Fine (twin starting)



KEY POINTS

Bugle head with undercutting ring for application versatility gives a flush countersink finish with no paper tearing or burring,

Thread configuration ensures clean, smooth, low torque installation for maximum holding power,

Super sharp point dimples steel at point of contact; providing wobble-free and quicker installation.

Technical Data

Withdrawal Resistance: Characteristic Loads in Steel Substrates (kN)

Nominal Diameter	Steel Thickness			
	0.5mm	0.7mm	1.0mm	1.2mm
3.9mm	0.80	1.10	1.60	1.80

Withdrawal Resistance: Safe Working Loads in Steel Substrates (kN)

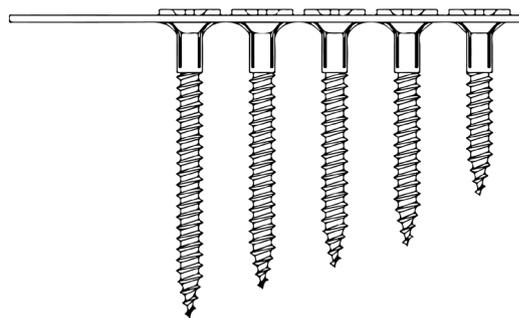
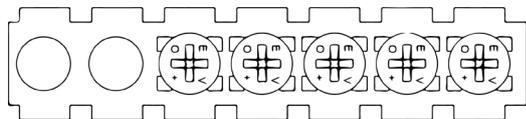
Nominal Diameter	Steel Thickness			
	0.5mm	0.7mm	1.0mm	1.2mm
3.9mm	0.33	0.46	0.53	0.60

Withdrawal Resistance: Timber Substrates (kN)

Nominal Diameter	Embedment Depth (mm)	Timber Grade	Characteristic Load (kN)
3.9mm	15.0 (min)	C16	2.2

Mechanical Properties

Characteristic Tensile Capacity	Characteristic Shear Resistance
6.50 kN	2.20 kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/ NOM. LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON	DRILL CAP (mm)
CDWFZ25	3.5 x 25	15.0	1,000	10,000	0.6-1.2
CDWFZ32	3.5 x 32	22.0	1,000	10,000	0.6-1.2
CDWFZ35	3.5 x 35	25.0	1,000	10,000	0.6-1.2
CDWFZ38	3.5 x 38	28.0	1,000	10,000	0.6-1.2
CDWFZ42	3.5 x 42	32.0	1,000	10,000	0.6-1.2
CDWFZ45	3.5 x 45	35.0	1,000	10,000	0.6-1.2
CDWFZ50	3.5 x 50	40.0	1,000	10,000	0.6-1.2
CDWFZ55	3.5 x 55	45.0	1,000	10,000	0.6-1.2
CDWFZ75	4.2 x 75	65.0	500	5,000	0.6-1.2

Designed For:	Fixing plasterboard to metal studs of 0.6mm - 1.2mm
Head Style:	Bugle
Drive Bit:	Phillips 2
Drill Point:	Sharp
Material Grade:	AISI C1022
Coating:	Electroplates Zinc
Shank material:	Carbon Steel

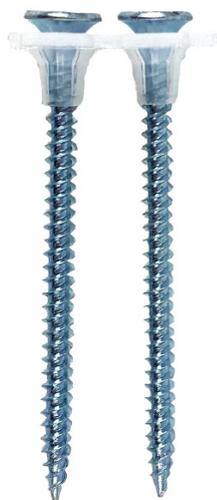


KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation for maximum holding power

Manufactured from C1022 grade steel (premium quality) with bright zinc plating to 5µm



Technical Data

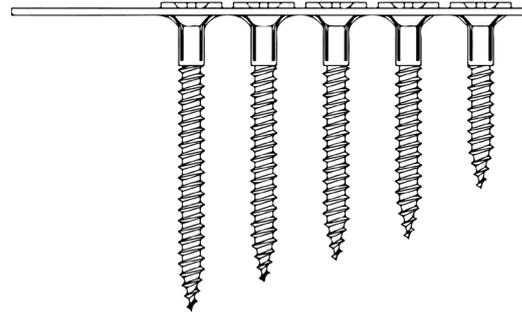
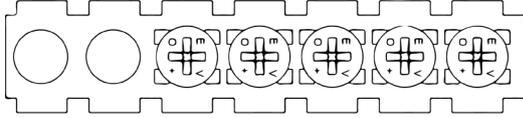
Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	1.4kN	0.8kN
4.2mm	1.6kN	0.9kN

Characteristic withdrawal resistance (timber)	
Diameter	Surface Hardness
3.5mm	550HV
4.2mm	550HV



Fine Thread Collated Drywall Screws (Black Phosphate)

**DRYWALL
PRODUCTS**



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/ NOM. LGTH (mm)	MAX BOARD THICKNESS (mm)	BOX	CARTON	DRILL CAP (mm)
CDWFP25	3.5 x 25	15.0	1,000	10,000	0.6-1.2
CDWFP32	3.5 x 32	22.0	1,000	10,000	0.6-1.2
CDWFP35	3.5 x 35	28.0	1,000	10,000	0.6-1.2
CDWFP42	3.5 x 42	32.0	1,000	10,000	0.6-1.2
CDWFP45	3.5 x 45	35.0	1,000	10,000	0.6-1.2
CDWFP50	3.5 x 50	40.0	1,000	10,000	0.6-1.2
CDWFP55	3.5 x 55	45.0	1,000	10,000	0.6-1.2

Designed For:	Fixing plasterboard to metal studs of 0.6mm - 1.2mm
Head Style:	Bugle
Drive Bit:	Phillips 2
Drill Point:	Sharp
Material Grade:	AISI C1022
Coating:	Black Phosphate
Shank material:	Carbon Steel
Thread form:	Twin
Effective thread length:	Fully threaded



KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation for maximum holding power

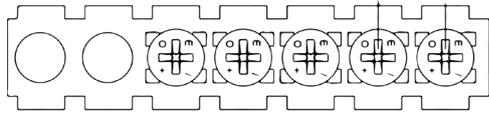
Manufactured from C1022 grade steel (premium quality)



Technical Data

Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	1.4kN	0.8kN
4.2mm	1.6kN	0.9kN

Characteristic withdrawal resistance (timber)	
Diameter	Surface Hardness
3.5mm	550HV
4.2mm	550HV



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	FIXTURE THICKNESS (mm)	DRILL CAP (mm)
CDWCP25	3.5 x 25	1,000	10,000	8.0	0.6-1.2
CDWCP32	3.5 x 32	1,000	10,000	12.0	0.6-1.2
CDWCP35	3.5 x 35	1,000	10,000	13.0	0.6-1.2
CDWCP38	3.5 x 38	1,000	10,000	18.0	0.6-1.2
CDWCP42	3.5 x 42	1,000	10,000	20.0	0.6-1.2
CDWCP45	3.5 x 45	1,000	10,000	22.0	0.6-1.2
CDWCP50	3.5 x 50	1,000	10,000	25.0	0.6-1.2
CDWCP55	3.5 x 55	1,000	10,000	30.0	0.6-1.2
CDWCP65	4.2 x 65	500	5,000	45.0	0.6-1.2
CDWCP75	4.2 x 75	500	5,000	55.0	0.6-1.2

Designed For:	Fixing plasterboard to timber
Head Style:	Bugle
Drive Bit:	Phillips 2
Drill Point:	Sharp point
Material Grade:	AISI C1022
Coating:	Black Phosphate
Shank material:	Carbon Steel
Thread form:	Single
Effective thread length:	Fully threaded



KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Coarse thread screws have nine threads per inch to give greater 'grab' in timber, as opposed to standard drywall screws which have seventeen threads per inch

C1018/22 steel with 48 hour salt spray tested black phosphate coating



Technical Data

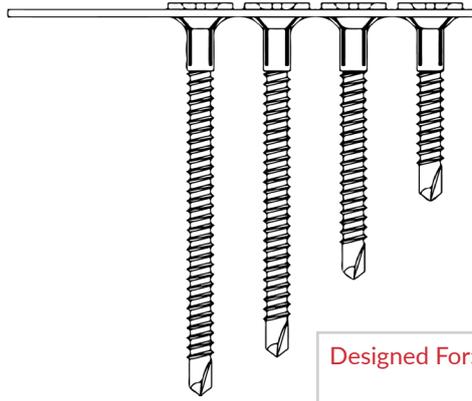
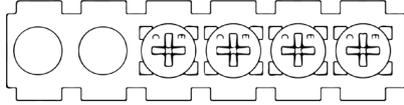
Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	1.4kN	0.8kN
4.2mm	1.6kN	0.9kN

Characteristic withdrawal resistance (timber)	
Diameter	Surface Hardness
3.5mm	550HV
4.2mm	550HV



Self-Drill Collated Drywall Screws

DRYWALL PRODUCTS



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	COATING	FIXTURE THICKNESS (mm)	DRILL CAP (mm)
CDWFDZ25	3.5 x 25.0	1,000	10,000	Zinc	12.0	0.6-2.5
CDWFDZ35	3.5 x 35.0	1,000	10,000	Zinc	20.0	0.6-2.5
CDWFDZ45	3.5 x 45.0	1,000	10,000	Zinc	30.0	0.6-2.5
CDWFDZ50	3.5 x 50.0	1,000	10,000	Zinc	35.0	0.6-2.5
CDWFDZ4.2-65	4.2 x 65.0	500	5,000	Zinc	35.0	0.6-2.5
CDWSDP3525*	3.5 x 25.0	1,000	10,000	PHOS	12.0	0.6-2.5
CDWSDP3535*	3.5 x 35.0	1,000	10,000	PHOS	30.0	0.6-2.5
CDWSDP3545*	3.5 x 45.0	1,000	10,000	PHOS	30.0	0.6-2.5

Designed For:	Fixing plasterboard to heavier gauge drywall track (up to 2.5mm)
Head Style:	Bugle
Drive Bit:	Phillips 2
Drill Point:	Tek 2
Material Grade:	AISI C1022
Coating:	Electroplated zinc / Black Phosphate
Shank material:	Carbon Steel
Fire Tested:	Yes, to EN1364-1
Effective thread length:	Fully threaded

* Available from our Irish Depot

KEY POINTS

Bugle head design for application versatility gives a flush countersink with no paper tearing

Thread configuration ensures clean, smooth, low torque installation for maximum holding power

Manufactured from C1022 or C1018 grade steel (premium quality) with bright zinc plating to 3µm

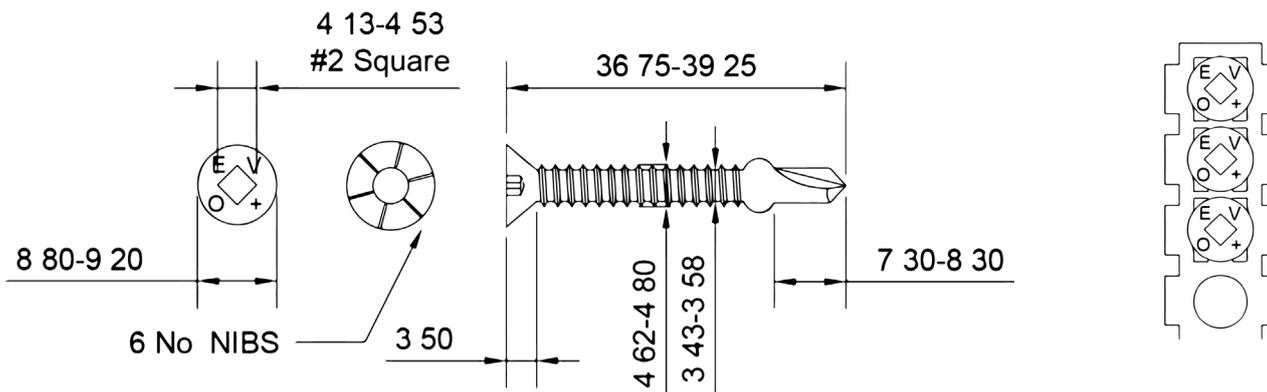
Fixing steel from 0.8mm to 2.5mm



Technical Data

Characteristic withdrawal resistance				
Diameter	Substrate Thickness			
	0.6mm	1.2mm	1.8mm	2.0mm
3.5mm	0.5kN	1.4kN	1.9kN	2.7kN

Characteristic mechanical performance		
Diameter	Tensile Capacity	Shear Resistance
3.5mm	8.0kN	5.0kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	POINT	BOX	CARTON	DRILL CAP (mm)
CTSTF4.8-38-3	4.8 x 38.0	Self-drilling	1,000	10,000	1.2-3.5

Designed For -	Fixing timber or boards to steel
Head Style -	Countersunk or countersunk with nibs
Drive -	Square Drive
Thread Form -	Coarse thread (Tek 3)
Shank Material -	Carbon steel
Material Grade -	SAE C1022/AISI C1022
Coating -	500Hr EvoShield®
Recommended drill speed -	1500 -2500 RPM



KEY POINTS

Super hard, super sharp drill tips ensure fast drill times

Countersinking nibs under head provide flush finish

Precision formed concave fluting gives speedy chip removal

Aggressive thread form design guarantees consistent tapping and superb holding power



Technical Data

Tek 3 range – Characteristic withdrawal resistance							
Diameter (mm)	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.8mm	Tek 3	1.1kN	1.5kN	2.5kN	3.6kN	3.9kN	4.4kN

**4.8 x 38 mm
SIZE**



SQUARE DRIVE



**500HR
EVOShield®
COATING.**



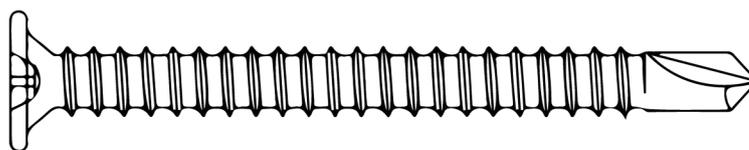
**SPEED.
PRECISION.
EFFICIENCY.**

**WING DRILL
COLLATED
TIMBER TEK®**

**ACCELERATED ASSEMBLY.
SECURE AND RELIABLE FASTENING.
MINIMIZED SPLITTING.
STREAMLINED INSTALLATION.**



**DESIGNED TO ENHANCE THE EFFICIENCY AND PRECISION OF
MODULAR HOUSING PROJECTS**



Designed For:	Mechanical fastening ¹ of drywall and cementitious boards ² to mild steel structural framing or partitioning systems ³
Head Style:	Bugle head with undercutting ring.
Recess type:	Phillips No. 2 female recess.
Material Grade:	SAE C1020 (hardened > 55 HRC).
Coating:	1,000Hr EvoShield®

PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	DRILL CAP (mm)
EVUTK 4.8-38-3	4.8 x 38	200	2,800	1.2-3.5
EVUTK 4.8-50-3	4.8 x 50	100	2,400	1.2-3.5
EVUTK 4.8-75-3	4.8 x 75	100	2,400	1.2-3.5



KEY POINTS

Tested in up to 4.0mm steel.

4.8mm diameter to allow exterior sheathing boards to be fastened.

1,000hr Evoshield® coating guarantees superior corrosion resistance

The head gives a very clean cut countersink where paper faced boards in particular can suffer from burring.



Technical Data

Characteristic Withdrawal Resistance^{4, 5}, NRk, From S355JR Mild Steel⁶

Nominal Diameter (mm)	Nominal Substrate Thickness, t _{nom} (mm)				
	1.2mm	1.5mm	2.0mm	3.0mm	4.0
4.8mm	1,380	2,060	3,230	6,230	8,650

Characteristic⁴ Mechanical Properties

Characteristic	Symbol	Magnitude	Unit
Characteristic tensile capacity, 7	Fult,Rk	14,030	N
Characteristic shear capacity,	Vult,Rk	8,740	N
Characteristic torsional capacity,	Tult,Rk	8.90	N

- Mechanical fasteners pursuant to BS EN 14566: 2008 & A1: 2009,
- Metal components pursuant to BS EN 14195: 2014,
- Gypsum plasterboard pursuant to BS EN 520: 2004 & A1: 2009 and fibre reinforced boards pursuant to BS EN 15283-1: 2008 & A1: 2009 and BS EN 15283-2: 2008,
- Characteristic loads specifically refers to the mean result from empirical tests minus two standard deviations and rounded down to the nearest 10N in accordance with EAD 330047-010602 and UKAS Document M3003,
- Derived from empirical testing pursuant to BS EN 14566: 2008 & A1: 2009,
- Mild hot-rolled steel pursuant to BS EN 10025-2: 2019,



SuperTEK® 7 Wing Drill Countersunk Tek® 7

WINGDRILL



Designed For -	When timber is being fastened to thicker steel section or where extremely hard steels defeat normal tek screws
Head Style -	Double Countersunk
Drive -	Torx 30
Drill point -	SuperTEK® 7
Thread Form -	24 threads per inch fine thread, 'V' fluted
Shank Material -	Carbon steel
Material Grade -	AISI C1022
Coating -	1000Hr EvoShield®
Recommended drill speed -	1,500 - 2,500 RPM (non-impacting only)

PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	TIMBER CAPACITY (mm)	THREAD LGTH. (mm)	DRILL CAP. (mm)	FOR 4.0mm - 18.0mm STEEL
TSTF5.5-73-7	5.5 x 73	100	1,400	6.0 - 38.0	FULL	4.0-18.0	
TSTF5.5-93-7	5.5 x 93	100	1,000	38.0 - 58.0	50.0	4.0-18.0	
TSTF5.5-118-7	5.5 x 118	100	1,000	58.0 - 83.0	50.0	4.0-18.0	
TSTF5.5-143-7	5.5 x 143	100	1,200	83.0 - 108.0	65.0	4.0-18.0	

KEY POINTS

High-end general construction fixing for use in demanding applications. This variant is especially suited to fastening construction board and timber fixture elements to primary and secondary steel framing.

Wing elements ream clearance hole in timber and board material fixture elements to eliminate the risk of "jacking".

Double countersunk head ensures both positive-driving and self-countersinking characteristics are achieved.



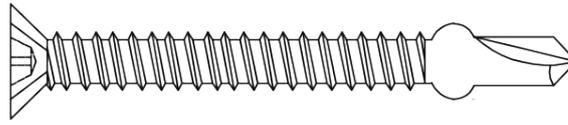
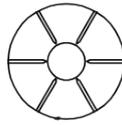
Technical Data

Characteristic mechanical performance

Diameter	Tensile Capacity	Shear Resistance
5.5mm	10.3kN	6.9kN

Tek 7 range – Characteristic withdrawal resistance

Diameter (mm)	Drill Point	Steel Thickness				
		4.0mm	6.0mm	8.0mm	10.0mm	15.0mm
5.5mm	Tek 7	13.9kN	13.7kN	12.9kN	14.1kN	14.3kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	EFFECTIVE THREAD LGTH. (mm)	DRILL CAP. (mm)
TSTF4.2-38-3	4.2 x 38	200	4,800	24.0	1.2 - 3.5
TSTF4.8-38-3	4.8 x 38	200	2,800	24.0	1.2 - 3.5
TSTF4.8-45-3	4.8 x 45	100	2,400	30.0	1.2 - 3.5
TSTF5.5-38-3	5.5 x 38	200	2,800	23.0	1.2 - 3.5
TSTF5.5-50-3	5.5 x 50	200	2,800	32.0	1.2 - 3.5
TSTF5.5-62-3	5.5 x 62	200	2,800	48.0	1.2 - 3.5
TSTF5.5-80-3	5.5 x 80	100	1,400	60.0	1.2 - 3.5
TSTF5.5-100-3	5.5 x 100	100	1,400	85.0	1.2 - 3.5
TSTF5.5-120-3	5.5 x 120	100	1,400	100.0	1.2 - 3.5
TSTF5.5-150-3	5.5 x 150	100	1,200	130.0	1.2 - 3.5
TSTF 5.5-180-3	5.5 x 180	100	900	160.0	1.2 - 3.5
TSTF 5.5-200-3	5.5 x 200	100	900	180.0	1.2 - 3.5
TSTF 5.5-235-3	5.5 x 235	100	50	210.0	1.2 - 3.5

Designed For -	Fixing timber or boards to steel
Head Style -	Countersunk or countersunk with nibs
Drive -	Phillips® No. 2 or No. 3
Thread Form -	Coarse thread (Tek 3)
Shank Material -	Carbon steel
Material Grade -	SAE C1022/AISI C1022
Coating -	500Hr EvoShield®
Recommended drill speed -	1500 -2500 RPM



KEY POINTS

Super hard, super sharp drill tips ensure fast drill times

Countersinking nibs under head provide flush finish

Precision formed concave fluting gives speedy chip removal

Aggressive thread form design guarantees consistent tapping and superb holding power



Technical Data*

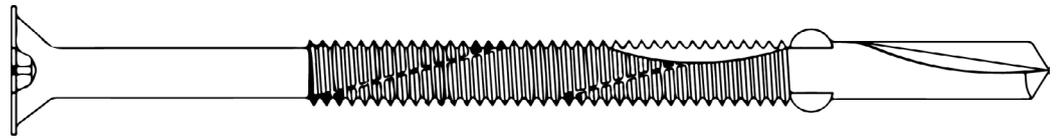
Tek 3 range – Characteristic withdrawal resistance							
Diameter (mm)	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.2mm	Tek 3	1.0kN	1.2kN	1.9kN	3.5kN	3.9kN	4.8kN
4.8mm	Tek 3	1.1kN	1.5kN	2.5kN	3.6kN	3.9kN	4.4kN
5.5mm	Tek 3	1.2kN	2.3kN	3.0kN	4.0kN	4.6kN	5.7kN

*Rest of technical data continued on next page for Tek 5 range



Timber Tek® For 4mm - 12.5mm Steel

WINGDRILL



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX	CARTON	TIMBER CAP. (mm)	EFFECTIVE THREAD LGTH. (mm)	DRILL CAP. (mm)
TSTF5.5-42-5	5.5 x 42	100	2,400	10.0-13.0	13	4.0 - 12.5
TSTF5.5-65-5	5.5 x 65	200	2,800	10.0-28.0	28	4.0 - 12.5
TSTF5.5-85-5	5.5 x 85	100	1,400	30.0-50.0	50	4.0 - 12.5
TSTF5.5-100-5	5.5 x 100	100	1,400	45.0-65.0	65	4.0 - 12.5
TSTF5.5-110-5	5.5 x 110	100	1,400	55.0-85.0	75	4.0 - 12.5
TSTF5.5-135-5	5.5 x 135	100	1,200	80.0-100.0	100	4.0 - 12.5
TSTF5.5-150-5	5.5 x 150	100	1,200	95.0-125.0	115	4.0 - 12.5
TSTF5.5-180-5	5.5 x 180	100	900	125.0-150.0	145	4.0 - 12.5

Designed For -	Fixing timber or composites to steel
Head Style -	Countersunk
Drive -	Phillips® No. 3
Thread Form -	Fine thread (Tek 5)
Shank Material -	Carbon steel
Material Grade -	SAE C1022/ AISI C1022
Coating -	500Hr EvoShield®
Recommended drill speed -	1500 -2500 RPM



KEY POINTS

Metric thread with wings designed to ream out the timber, so the screw can achieve Max. R.P.M. without burning out.

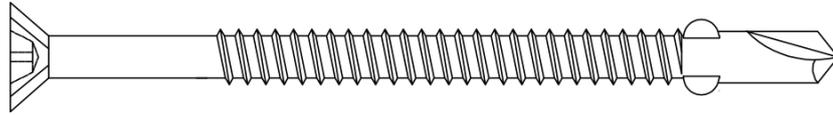
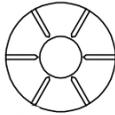
Countersinking nibs under head provide flush finish

Precision formed concave fluting gives speedy chip removal



Technical Data

Tek 5 range – Characteristic withdrawal resistance							
Diameter (mm)	Drill Point	Steel Thickness					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	Tek 5	4.2kN	9.8kN	10.4kN	11.7kN	12.5kN	13.8kN



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX/ BAG	CARTON	DRIVE	THREAD LGTH. (mm)	DRILL CAP. (mm)
BMWD4.8-38-3	4.8 x 38	200	2,800	PH2	24mm	1.2-3.5
BMWD5.5-50-3	5.5 x 50	100	1,000	PH3	32mm	1.2-3.5
BMWD5.5-62-3	5.5 x 62	100	1,000	PH3	48mm	1.2-3.5
BMWD5.5-80-3	5.5 x 80	100	1,400	PH3	60mm	1.2-3.5
BMWD5.5-100-3	5.5 x 100	100	1,000	PH3	85mm	1.2-3.5
BMWD5.5-120-3	5.5 x 120	100	1,000	PH3	100mm	1.2-3.5

Designed For -	Fastening when stainless steel product is required, e.g. in aluminium sheeting and panels
Head Style -	Countersunk
Drive -	Phillips No. 2, Phillips No. 3
Thread Form -	Coarse thread (Tek 3)
Material Grade -	AISI 304/ EN 1.4301 (A2)
Coating -	Zinc
Drill Point Material -	Carbon Steel



KEY POINTS

High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time.

Bi-metal fasteners have welded, hardened carbon steel drill point married to a 304/Euro A2 grade stainless steel shank.

A2 Corrosion protection to ensure long-term fastener integrity.



Technical Data*

Tek 3 range – Characteristic withdrawal resistance

Diameter (mm)	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.2mm	Tek 3	1.9kN	2.7kN	3.5kN	4.5kN	5.0kN	6.3kN
5.5mm	Tek 3	2.0kN	2.4kN	3.6kN	4.3kN	5.1kN	6.7kN

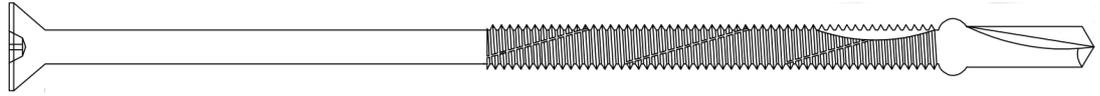
Characteristic mechanical performance

Diameter	Tensile Capacity	Shear Resistance
4.8mm	9.8kN	8.2kN
5.5mm	11.6kN	9.8kN



A2 Bi-metal™ Timber TEK® For 4mm - 12.5mm Steel

WINGDRILL



PRODUCT RANGE/ USABILITY DATA

CODE	SIZE/NOM. LGTH (mm)	BOX/ BAG	CARTON	DRIVE	THREAD LGTH. (mm)
BMWD5.5-65-5	5.5 x 65	100	1,000	PH3	28mm
BMWD5.5-85-5	5.5 x 85	100	1,000	PH3	50mm
BMWD5.5-110-5	5.5 x 110	100	1,000	PH3	75mm
BMWD5.5-135-5	5.5 x 135	100	1,000	PH3	100mm

Designed For -	Fastening when stainless steel product is required, e.g. in aluminium sheeting and panels
Head Style -	Countersunk
Drive -	Phillips No. 3
Thread Form -	Fine thread (Tek 5)
Material Grade -	AISI 304/ EN 1.4301 (A2)
Coating -	Zinc
Drill Speed -	1,500 - 2,500 RPM



KEY POINTS

High carbon, high performance drill point ensures superior drilling characteristics, giving accurate drilling every time.

Bi-metal fasteners have a hardened carbon steel drilling point (AISI C1022) brazed to a stainless steel (AISI 304/EN 1.4301 (A2)) body and head.

A2 Corrosion protection to ensure long-term fastener integrity.



Technical Data

Tek 5 range – Characteristic withdrawal resistance							
Diameter (mm)	Drill Point	Steel Thickness					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	Tek 5	4.5kN	5.9kN	7.3kN	8.9kN	10.7kN	11.9kN

Characteristic mechanical performance	
Diameter	Substrate 50mm timber
4.8mm	1.6kN
5.5mm	3.0kN

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**WHILST WE HAVE TRIED TO
INCLUDE AS MANY BOARD TYPES
AS WE CAN, NOT ALL WILL BE FEATURED.**

**IF YOU HAVE ANY QUESTIONS,
PLEASE CONTACT OUR SALES
AND TECHNICAL TEAM FOR FURTHER
INFORMATION:**

Tel: +44 (0) 141 647 7100

Fax: +44 (0) 141 647 5100

Email: sales@evofas.com

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TERMS AND CONDITIONS OF SALE

GENERAL

1. (a) All orders placed with Evolution Fasteners UK Limited ("the Company") by the Company's customer ("the Buyer") for the sale and the purchase of goods ("the Goods") are subject to the terms and conditions set out below which shall constitute the contract between the Company and the Buyer ("the Contract"). No modifications or variations to these terms and conditions and no other terms and conditions shall be valid or effective unless expressly accepted in writing by a director of the Company. (b) Any subsequent orders placed with the Company shall be deemed to be placed subject to these terms and conditions unless expressly agreed otherwise in writing by a Director of the Company.

QUOTATIONS

2. A quotation by the Company does not constitute an offer and the Company reserves the right to withdraw or amend the same at any time prior to the Company's acceptance of the Buyer's order. The Buyer's purchase order is binding and the Buyer is responsible for

PRICE

3. The price of any goods shall be the Company's list price of the goods prevailing at the date of acceptance of the order by the Company (less any agreed discount).

4. Unless otherwise stated all prices are exclusive of V.A.T.

5. The Company shall be entitled from time to time to vary list price or list prices without prior notice.

PAYMENT

6. Unless otherwise specified in writing by the Company, payment is due on or before the end of the month following that in which the goods were invoiced.

7. Failure by the Buyer to pay for any goods on the due date shall entitle the Company:

- to cancel the balance (if any) of the contract under which the Buyer has failed to pay for the goods and to recover from the Buyer damages for any loss suffered by the Company as a result of such cancellation, and/or
- to cancel any other contract or the balance of any other contract which the Company may have with the Buyer and to recover from the Buyer damages for any loss suffered by the Company as a result of such cancellation, and/or
- to charge the Buyer interest at the rate of 2.5% per month calculated on a day-to-day basis on the amount due from the date of invoice to the date of actual payment thereof (both before and after any judgement) such interest to be paid on demand.

ACCOUNTS

8. The Company reserves the right to close a credit account at any time without prior notice whereupon the whole of the amount outstanding on such account shall become immediately due and payable in full.

COLLECTION AND DELIVERY

9. Where the Company agrees to deliver any goods to the Buyer:

- The Buyer shall pay the Company's delivery charges therefore at the rate or rates prevailing at the date of acceptance of the order by the Company or at such other rate or rates as may be agreed between the Company and the Buyer prior to the date of acceptance of the order by the Company.
- Delivery of the goods shall be made to such place or places as agreed between the Company and the Buyer.
- The Buyer will ensure that there is adequate access to the place of delivery and that there is made available at the place of delivery adequate labour and other facilities in order to enable the goods to be unloaded promptly and safely and the Buyer will indemnify the Company in respect of any losses costs and expenses incurred by the Company as a consequence thereof and (without prejudice to the generality of the foregoing) the Company shall be entitled to charge the Buyer for the storage of the goods whether at the Company's premises or otherwise.
- If the Buyer shall refuse for any reason whatsoever to accept delivery of the goods the Buyer will indemnify the Company in respect of all losses costs and expenses incurred by the Company as a consequence thereof and (without prejudice to the generality of the foregoing) the Company shall be entitled to charge the Buyer for the storage of the goods whether at the Company's premises or otherwise.
- The Company shall be entitled to make part deliveries of the goods and for the purposes of these terms and conditions each such part delivery shall be treated as a separate and independent contract for the sale of goods to the Buyer.

- Any times stated for collection or delivery shall be a bona fide estimate only and whilst the Company will use all reasonable endeavours to meet any such times stated the Company shall not be liable for any delay whatsoever caused.
- Where no times are stated for collection or delivery the Company will use all reasonable endeavours to make the goods available for collection or to deliver the goods (as the case may be) as soon as reasonably practicable.
- The Company shall be entitled to stop collection by or to withhold delivery to the Buyer of any goods where at the time collection or delivery payment is due to the Company in respect of any goods supplied to the Buyer under any contract whatsoever.

DAMAGE OR LOSS IN TRANSIT

11. Where the Company is responsible for delivering the goods to the Buyer the Company will at its option repair or replace free of charge any goods lost or damaged in transit provided that:

- (save in respect of a total loss or non-delivery of the goods) details of any loss or damage have been marked on the copy of the consignment note or delivery documents signed by the Buyer and advised to the Company within 48 hours of delivery and confirmed in writing to the Company with full particulars within 3 days of delivery, and
- in respect of a total loss or non-delivery of the goods details are advised to the Company in writing (otherwise than on a consignment note or delivery document) with full particulars within (7 days) of the date of the Company's invoice in respect of the goods.

SHORT DELIVERY

12. The Company shall not be responsible for any short delivery unless details thereof are marked on the consignment note or delivery document signed by the Buyer and in the case of loss in transit all the requirements set out in Condition 11(b) above are fulfilled.

STORAGE

13. Where the Company has notified the Buyer that the goods are ready for delivery, the Buyer shall take delivery or arrange for storage. If the Buyer does not so take delivery or arrange for storage within 7 days of notification the Company shall be entitled to invoice and be paid for the goods as though the goods had been duly delivered in accordance with these instructions and the Company may arrange storage either at the Company's own premises or elsewhere on the Buyer's behalf and all charges for storage, insurance and demurrage shall be payable by the Buyer.

DEFECTIVE GOODS

14. The Company shall at their option repair or replace any goods which are defective as to materials or workmanship provided that:

- where any alleged defect is discoverable on an inspection of the goods (whether or not the Buyer shall actually inspect the goods) notification of the alleged defect with full particulars thereof is received by the Company in writing within 7 days of the date of collection or delivery of the goods and in any other case notification of the alleged defect is received by the Company in writing with full particulars thereof within 10 days of the date of collection or delivery of the goods, and
 - the Company is notified in writing with full particulars immediately upon discovery of the alleged defect and is afforded the opportunity of inspecting the goods at the premises of the Buyer or if so required by the Company the Buyer immediately returns the goods to the Company's premises carriage paid (but refundable insofar as the goods are repaired or replaced), and
 - any defect is not due to wear and tear neglect abnormal use misuse or improper adjustment.
- (d) The Company shall not be liable for transportation or installation charges, for expense of the Buyers for repairs or replacements or for damages for delay or loss of use or other indirect, incidental or consequential damage of any kind.

15. (a) As against a person dealing as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 the following provisions apply. The Company is under a legal duty to supply products that are in conformity with its obligations. The box below contains a summary of the Buyer's key legal rights in relation to the Goods. Nothing in these terms will affect the Buyer's legal rights.

Summary of the Buyer's key legal rights

This is a summary of the Buyer's key legal rights. These are subject to certain exceptions. For detailed information please visit the Citizens Advice website www.adviceguide.org.uk or call 03454 04 05 06

The Consumer Rights Act 2015 says the Goods must be as described, fit for purpose and of satisfactory quality. During the expected lifespan of the Goods the Buyer's legal rights entitle the Buyer to the following:

- Up to 30 days: if the Goods are faulty, then the Buyer can obtain an immediate refund.
- Up to 6 months: if the Goods cannot be repaired or replaced, then the Buyer is entitled to a full refund, in most cases.
- Up to 6 years: if the Goods do not last a reasonable length of time the Buyer may be entitled to some money back.

See also Exercising your right to change your mind (Consumer Contracts Regulations 2013).

If the Buyer wishes to exercise its legal rights to reject the Goods the Buyer must either return them in person, or post them back to the Company. The Company will pay the costs of postage or collection. Please telephone the Company for a return label or to arrange collection. The provisions contained in this condition 15(a) do not affect the Buyer's legal rights in relation to faulty or mis-described products

(b) As against a person dealing otherwise than as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 the provisions contained in Condition 14 above shall be accepted in substitution for and to the entire exclusion of all conditions and warranties and liabilities whatsoever whether express or implied by statute (save those implied by virtue of Section 12 of the Sale of Goods Act 1979) common law usage or otherwise.

16. Save and except as expressly stated in Conditions 14 and 15 above the Company shall not be liable for any defect in the Goods or for any injury or loss resulting from the Goods or any defect therein or from any work done in connection therewith whether such liability is due to the negligence of any servant employee or agent of the Company or otherwise.

17. As against a person dealing otherwise than as a consumer as defined by Section 2(3) of the Consumer Rights Act 2015 in the event that the Company shall be liable to repair or replace the Goods, in no circumstances shall the Company's liability extend beyond the cost of repair or replacing the Goods. In any event, notwithstanding anything contained in the contract, as against such person in no circumstances shall the Company be liable in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever and whatsoever the cause thereof:

- For any increased costs or expenses
- For any loss or profit, business contracts, revenues or anticipated savings or
- For any special direct or consequential damage of any nature whatsoever said to have occurred consequent on the supply or the circumstances of the supply of the Goods.

RETURNED GOODS

- Where returned Goods are found to be damaged due to the Buyer's fault the Buyer will be liable for the cost of remedying such damage
- The Company will not accept Goods for credit or rectification unless such return has been pre-authorised by the Company, and the Goods are received by the Company in stock condition, with original packaging and the Company retains the right at its sole discretion whether to accept the return of the Goods or whether to rectify the Goods or whether to issue a credit note in respect thereof.
- The Buyer shall unless otherwise stated be responsible for the cost of outward and return carriage and insurance of all Goods returned by the Buyer to the Company for rectification or credit which Goods shall be at the risk of the Buyer until actual receipt of the Goods by the Company. The onus of proof of safe delivery shall rest with the Buyer.
- All Goods returned to the Company by prearrangement and found to contain no fault, will be subject to a 30% restocking charge, providing the Goods are in original stock condition. Any downward variation of this restocking charge shall be at the sole discretion of the Company.
- No credit shall be allowed for Goods until they have been received complete.

FORCE MAJEURE

19. (a) The Company shall not be responsible for any loss damage delay or non-performance of any contract arising whether directly or indirectly from any cause outside the control of the Company including (but without prejudice to the generality of the foregoing) any cause arising from or attributable to strike lock-out shortage of labour or materials governmental action civil commotion riots war sabotage storm flood earthquake drought machinery breakdown failure of plant collapse of structures voluntary or mandatory compliance with any direction request or order of any person having or appearing to have authority whether for defence or other governmental or national purposes inability to obtain raw materials equipment fuel power components or transportation.

(b) In the event of any delay or non-performance of any contract arising whether directly or indirectly from any cause referred to in Condition 19(a) above the Company shall be entitled to cancel any contract without payment to the Buyer in respect of any loss or damage or otherwise.

TITLE AND RISK

20.1 The risk in the Goods shall pass to the Buyer on completion of delivery.

20.2 Title to the Goods shall not pass to the Buyer until the earlier of:
(a) the Company receiving payment in full (in cash or cleared funds) for the Goods and any other goods that the Company has supplied to the Buyer, in which case title to the Goods shall pass at the time of payment of all such sums; and
(b) the Buyer reselling the Goods, in which case title to the Goods shall pass to the Buyer at the time specified in clause 20.4.

20.3 Until title to the Goods has passed to the Buyer, the Buyer shall:
(a) store the Goods separately from all other goods held by the Buyer so that they remain readily identifiable as the Company's property;
(b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods;
(c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery;
(d) notify the Company immediately if it becomes subject to any of the events listed in clause 21; and
(e) give the Company such information relating to the Goods as the Company may require from time to time.

20.4 Subject to clause 20.5, the Buyer may resell or use the Goods in the ordinary course of its business (but not otherwise) before the Company receives payment for the Goods. However, if the Buyer resells the Goods before that time:
(a) it does so as principal and not as the Company's agent; and
(b) title to the Goods shall pass from the Company to the Buyer immediately before the time at which resale by the Buyer occurs.

20.5 If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 21, then, without limiting any other right or remedy the Company may have:

- The Buyer's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
- The Company may at any time:
 - require the Buyer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into another product; and
 - if the Buyer fails to do so promptly, enter any premises of the Buyer or of any third party where the Goods are stored in order to recover them.

20.6 Each and every sub-clause of this clause shall be deemed to be separate from the remainder of the contract and severable accordingly.

TERMINATION

21.1 Without limiting its other rights or remedies, the Company may terminate this Contract with immediate effect by giving written notice to the Buyer if:
(a) the Buyer commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 7 days of that party being notified in writing to do so;

(b) the Buyer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction;

(c) the Buyer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or
(d) the Buyer's financial position deteriorates to such an extent that in the Company's opinion the Buyer's capability to adequately fulfill its obligations under the Contract has been placed in jeopardy.

21.2 Without limiting its other rights or remedies, the Company may suspend provision of the Goods under the Contract or any other contract between the Buyer and the Company if the Buyer becomes subject to any of the events listed in clause 21.1(a) to clause 21.1(d), or the Company reasonably believes that the Buyer is about to become subject to any of them, or if the Buyer fails to pay any amount due under this Contract on the due date for payment.

21.3 Without limiting its other rights or remedies, the Company may terminate the Contract with immediate effect by giving written notice to the Buyer if the Buyer fails to pay any amount due under the Contract on the due date for payment.

21.4 On termination of the Contract for any reason the Buyer shall immediately pay to the Company all of the Company's outstanding unpaid invoices and interest.

21.5 Termination of the Contract shall not affect any of the parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.

21.6 Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

GOVERNING LAW AND JURISDICTION

22. The Contract and all contracts between the Company and the Buyer shall in respects be governed by English law and all disputes which may arise out of or in connection with these Conditions or the Contract or any contract between the Company and the Buyer or any Goods supplied or to be supplied under the Contract or any contract shall be subject to the exclusive jurisdiction of the English Courts save that the Company shall be at liberty to bring any legal proceedings against the Buyer in the Courts of any other country which it considers appropriate.

23. In the event that the Company shall bring any legal proceedings against the Buyer in connection with these Conditions or the Contract or any contract between the Company and the Buyer or any Goods supplied or to be supplied under the Contract or any contract between the Company and the Buyer the Buyer shall indemnify the Company against all costs and expenses incurred by the Company in connection therewith on a full indemnity basis.

THIRD PARTIES

24. For the avoidance of doubt nothing in these terms and conditions are intended to confer on any third party any benefit or the right to enforce any terms within the conditions.



FOR FURTHER INFORMATION, PLEASE DON'T HESITATE TO CONTACT OUR TECHNICAL DEPARTMENT, WHERE OUR IN-HOUSE ENGINEERS CAN GO INTO FURTHER DETAIL WITH FREE HELP AND ADVICE:

technical@evofas.com

OR CALL

+44 (0) 141 647 7100



MORE INFORMATION IN OUR 2024 PRODUCT GUIDE



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